

Petroleum Supply Monthly

March 2023



This report was prepared by the U.S. Energy Information Administration (EIA), the statistical and analytical agency within the U.S. Department of Energy. By law, EIA's data, analyses, and forecasts are independent of approval by any other officer or employee of the United States Government. The views in this report therefore should not be construed as representing those of the Department of Energy or other Federal agencies.

Preface

The Petroleum Supply Monthly (PSM) is the monthly component of a series of three publications produced by the Office of Petroleum and Biofuels Statistics of the U.S. Energy Information Administration (EIA). The other two components are the Weekly Petroleum Status Report (WPSR) and the Petroleum Supply Annual (PSA). Together these publications present comprehensive petroleum and biofuel supply data on a weekly, monthly and annual basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply. Included are: petroleum refiners, motor gasoline blenders, oxygenate producers, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of crude oil, petroleum products, and biofuels. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

Scope of data

The PSM presents statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District levels, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources including federal and state agencies.

Sections

- U.S. supply and disposition of crude oil, petroleum products, and biofuels
- Regional supply and disposition of crude oil, petroleum products, and biofuels
- Crude oil supply and disposition and production by state
- Natural Gas Processing
- Refinery Operations
- Imports of residual fuel oil by state of entry
- Imports by PADD
- Imports by country of origin
- Exports
- Net imports
- Stocks
- Movements of crude oil, petroleum products, and biofuels

Contents

Page

Tables

U.S. supply and disposition of crude oil, petroleum products, and biofuels

1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products6
 2. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products.....7
 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products8
 4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products9

Regional supply and disposition of crude oil petroleum products and biofuels

5. PAD District 1..... 10
 6. Year-to-Date PAD District 1..... 11
 7. Daily Average PAD District 1 12
 8. Year-to-Date Daily Average PAD District 1 13
 9. PAD District 2..... 14
 10. Year-to-Date PAD District 2..... 15
 11. Daily Average PAD District 2 16
 12. Year-to-Date Daily Average PAD District 2..... 17
 13. PAD District 3..... 18
 14. Year-to-Date PAD District 3..... 19
 15. Daily Average PAD District 3 20
 16. Year-to-Date Daily Average PAD District 3..... 21
 17. PAD District 4..... 22
 18. Year-to-Date PAD District 4..... 23
 19. Daily Average PAD District 4..... 24
 20. Year-to-Date Daily Average PAD District 4..... 25
 21. PAD District 5..... 26
 22. Year-to-Date PAD District 5..... 27
 23. Daily Average PAD District 5 28
 24. Year-to-Date Daily Average PAD District 5 29

Crude oil supply and disposition and production by state

25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District..... 30
 26. Production of Crude Oil by PAD District and State 31

Natural Gas Processing

27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts..... 32

Refinery Operations

28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts..... 33
 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts 35
 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts..... 37
 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts..... 39
 32. Blender Net Inputs of Petroleum Products by PAD District..... 41
 33. Blender Net Production of Petroleum Products by PAD District 42
 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts..... 43
 35. Percent Yield of Petroleum Products by PAD and Refining Districts 45

Imports of residual fuel oil by state of entry

36. Imports of Residual Fuel Oil by Sulfur Content..... 46

Imports by PAD District

37. Imports of Crude Oil and Petroleum Products 47
 38. Year-to-Date Imports of Crude Oil and Petroleum Products..... 48

Imports by country of origin

39. United States..... 49
 40. Year-to-Date United States..... 53
 41. PAD District 1 57
 42. PAD District 2..... 61
 43. PAD District 3..... 65
 44. PAD Districts 4 and 5..... 69
 45. Year-to-Date PAD District 1..... 73
 46. Year-to-Date PAD District 2..... 77
 47. Year-to-Date PAD District 3..... 81

48. Year-to-Date PAD Districts 4 and 5 85

Exports of Crude Oil and Petroleum Products

49. Exports of Crude Oil and Petroleum Products by PAD District 89

50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District..... 90

51. Exports of Crude Oil and Petroleum Products by Destination 91

52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination 95

Net Imports

53. Net Imports of Crude Oil and Petroleum Products into the United States by Country 99

54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country..... 103

Stocks

55. Stocks of Crude Oil and Petroleum Products by PAD District..... 107

56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State 110

Movements of Crude Oil, Petroleum Products, and Biofuels

57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail Between PAD Districts 112

58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts 114

59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts..... 116

60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts..... 118

61. Movements of Crude Oil by Pipeline, Tanker, Barge, and Rail between PAD Districts 119

62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail Between PAD Districts 120

Appendices

A. District Descriptions and Maps 122

B. Explanatory Notes 124

D. Northeast Reserves..... 140

Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January 2023
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³	
Crude Oil⁴	386,315	--	--	194,599	23,698	29,795	465,886	108,931	0	831,386
Hydrocarbon Gas Liquids	181,351	-721	10,904	7,034	--	-23,224	24,824	79,516	117,452	187,861
Natural Gas Liquids	181,351	-721	3,753	6,505	--	-23,212	24,824	79,516	109,760	186,000
Ethane	73,381	--	106	--	--	-1,028	--	14,923	59,592	52,518
Propane	57,841	--	8,246	5,086	--	-7,942	--	45,151	33,964	68,612
Normal Butane	16,213	--	-4,299	1,232	--	-11,734	10,904	14,481	-505	30,016
Isobutane	14,138	--	-300	183	--	-178	7,002	80	7,117	12,030
Natural Gasoline	19,778	-721	--	4	--	-2,330	6,918	4,882	9,592	22,824
Refinery Olefins	--	--	7,151	529	--	-12	--	--	7,692	1,861
Ethylene	--	--	14	--	--	0	--	--	14	0
Propylene	--	--	7,229	489	--	-375	--	--	8,093	963
Normal Butylene	--	--	-116	40	--	366	--	--	-442	885
Isobutylene	--	--	24	--	--	-3	--	--	27	13
Other Liquids	--	38,987	--	33,092	3,529	16,802	38,411	11,439	8,956	341,601
Hydrogen/Biofuels/Other Hydrocarbons	--	38,988	--	1,578	4,684	1,753	34,117	2,904	6,476	33,477
Hydrogen	--	--	--	--	6,478	--	6,478	--	0	--
Biofuels (including Fuel Ethanol)	--	38,988	--	1,563	-1,797	1,752	27,622	2,904	6,476	33,466
Fuel Ethanol ⁵	--	31,189	--	--	-1,797	957	25,624	2,812	0	25,383
Biofuels (excluding Fuel Ethanol)	--	7,798	--	1,563	--	796	1,998	92	6,476	8,083
Biodiesel	--	3,242	--	930	--	698	1,273	92	2,110	4,297
Renewable Diesel Fuel	--	3,994	--	633	--	152	386	NA	4,089	3,557
Other Biofuels ⁶	--	562	--	--	--	-54	339	NA	277	229
Other Hydrocarbons	--	--	--	15	3	1	17	--	0	11
Unfinished Oils	--	--	--	16,303	--	-1,052	8,748	6,117	2,490	85,093
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	-1	--	15,211	-1,155	16,108	-4,471	2,418	0	223,005
Reformulated	--	0	--	4,432	13,728	5,950	12,187	23	0	51,461
Conventional	--	-1	--	10,779	-14,883	10,158	-16,658	2,395	0	171,544
Aviation Gasoline Blend. Comp.	--	--	--	--	--	-7	17	--	-10	26
Finished Petroleum Products	--	180	550,022	25,747	2,952	9,117	--	90,483	479,300	265,308
Finished Motor Gasoline	--	181	276,962	3,351	2,952	-711	--	27,400	256,756	16,700
Reformulated	--	--	85,865	--	-12,134	3	--	--	73,728	23
Conventional	--	181	191,097	3,351	15,085	-714	--	27,400	183,028	16,677
Finished Aviation Gasoline	--	--	205	4	--	30	--	--	179	1,336
Kerosene-Type Jet Fuel	--	2	50,316	3,577	--	825	--	6,266	46,804	35,864
Kerosene	--	--	461	504	--	-688	--	491	1,162	1,440
Distillate Fuel Oil ⁵	--	-3	145,802	8,492	--	4,204	--	29,136	120,951	123,013
15 ppm sulfur and under	--	-3	140,197	8,357	--	4,460	--	24,115	119,975	113,113
Greater than 15 ppm to 500 ppm sulfur	--	0	2,871	3	--	-161	--	2,986	49	2,338
Greater than 500 ppm sulfur	--	--	2,734	132	--	-95	--	2,035	926	7,562
Residual Fuel Oil	--	--	8,107	5,117	--	1,372	--	3,216	8,636	32,111
Less than 0.31 percent sulfur	--	--	1,349	305	--	-18	--	NA	NA	2,762
0.31 to 1.00 percent sulfur	--	--	2,803	1,030	--	731	--	NA	NA	6,902
Greater than 1.00 percent sulfur	--	--	3,955	3,782	--	659	--	NA	NA	22,447
Petrochemical Feedstocks	--	--	6,681	482	--	221	--	--	6,942	2,609
Naphtha for Petro. Feed. Use	--	--	4,323	291	--	203	--	--	4,411	1,986
Other Oils for Petro. Feed. Use	--	--	2,358	191	--	18	--	--	2,531	623
Special Naphthas	--	--	898	611	--	64	--	--	1,445	1,041
Lubricants	--	--	4,876	1,225	--	-305	--	2,780	3,626	13,042
Waxes	--	--	107	131	--	-18	--	126	130	583
Petroleum Coke	--	--	24,323	490	--	735	--	20,150	3,928	7,609
Marketable	--	--	18,674	490	--	735	--	20,150	-1,721	7,609
Catalyst	--	--	5,649	--	--	--	--	--	5,649	--
Asphalt and Road Oil	--	--	9,448	1,763	--	3,219	--	816	7,176	28,895
Still Gas	--	--	19,180	--	--	--	--	--	19,180	--
Miscellaneous Products	--	--	2,656	--	--	170	--	100	2,386	1,065
Total	567,666	38,446	560,926	260,472	30,179	32,491	529,121	290,369	605,708	1,626,156

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isoctene."

Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 2. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-January 2023
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³	
Crude Oil⁴	386,315	--	--	194,599	23,698	29,795	465,886	108,931	0	831,386
Hydrocarbon Gas Liquids	181,351	-721	10,904	7,034	--	-23,224	24,824	79,516	117,452	187,861
Natural Gas Liquids	181,351	-721	3,753	6,505	--	-23,212	24,824	79,516	109,760	186,000
Ethane	73,381	--	106	--	--	-1,028	--	14,923	59,592	52,518
Propane	57,841	--	8,246	5,086	--	-7,942	--	45,151	33,964	68,612
Normal Butane	16,213	--	-4,299	1,232	--	-11,734	10,904	14,481	-505	30,016
Isobutane	14,138	--	-300	183	--	-178	7,002	80	7,117	12,030
Natural Gasoline	19,778	-721	--	4	--	-2,330	6,918	4,882	9,592	22,824
Refinery Olefins	--	--	7,151	529	--	-12	--	--	7,692	1,861
Ethylene	--	--	14	--	--	0	--	--	14	0
Propylene	--	--	7,229	489	--	-375	--	--	8,093	963
Normal Butylene	--	--	-116	40	--	366	--	--	-442	885
Isobutylene	--	--	24	--	--	-3	--	--	27	13
Other Liquids	--	38,987	--	33,092	3,529	16,802	38,411	11,439	8,956	341,601
Hydrogen/Biofuels/Other Hydrocarbons	--	38,988	--	1,578	4,684	1,753	34,117	2,904	6,476	33,477
Hydrogen	--	--	--	--	6,478	--	6,478	--	0	--
Biofuels (including Fuel Ethanol)	--	38,988	--	1,563	-1,797	1,752	27,622	2,904	6,476	33,466
Fuel Ethanol ⁵	--	31,189	--	--	-1,797	957	25,624	2,812	0	25,383
Biofuels (excluding Fuel Ethanol)	--	7,798	--	1,563	--	796	1,998	92	6,476	8,083
Biodiesel	--	3,242	--	930	--	698	1,273	92	2,110	4,297
Renewable Diesel Fuel	--	3,994	--	633	--	152	386	NA	4,089	3,557
Other Biofuels ⁶	--	562	--	--	--	-54	339	NA	277	229
Other Hydrocarbons	--	--	--	15	3	1	17	--	0	11
Unfinished Oils	--	--	--	16,303	--	-1,052	8,748	6,117	2,490	85,093
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	-1	--	15,211	-1,155	16,108	-4,471	2,418	0	223,005
Reformulated	--	0	--	4,432	13,728	5,950	12,187	23	0	51,461
Conventional	--	-1	--	10,779	-14,883	10,158	-16,658	2,395	0	171,544
Aviation Gasoline Blend. Comp.	--	--	--	--	--	-7	17	--	-10	26
Finished Petroleum Products	--	180	550,022	25,747	2,952	9,117	--	90,483	479,300	265,308
Finished Motor Gasoline	--	181	276,962	3,351	2,952	-711	--	27,400	256,756	16,700
Reformulated	--	--	85,865	--	-12,134	3	--	--	73,728	23
Conventional	--	181	191,097	3,351	15,085	-714	--	27,400	183,028	16,677
Finished Aviation Gasoline	--	--	205	4	--	30	--	--	179	1,336
Kerosene-Type Jet Fuel	--	2	50,316	3,577	--	825	--	6,266	46,804	35,864
Kerosene	--	--	461	504	--	-688	--	491	1,162	1,440
Distillate Fuel Oil ⁵	--	-3	145,802	8,492	--	4,204	--	29,136	120,951	123,013
15 ppm sulfur and under	--	-3	140,197	8,357	--	4,460	--	24,115	119,975	113,113
Greater than 15 ppm to 500 ppm sulfur	--	0	2,871	3	--	-161	--	2,986	49	2,338
Greater than 500 ppm sulfur	--	--	2,734	132	--	-95	--	2,035	926	7,562
Residual Fuel Oil	--	--	8,107	5,117	--	1,372	--	3,216	8,636	32,111
Less than 0.31 percent sulfur	--	--	1,349	305	--	-18	--	NA	NA	2,762
0.31 to 1.00 percent sulfur	--	--	2,803	1,030	--	731	--	NA	NA	6,902
Greater than 1.00 percent sulfur	--	--	3,955	3,782	--	659	--	NA	NA	22,447
Petrochemical Feedstocks	--	--	6,681	482	--	221	--	--	6,942	2,609
Naphtha for Petro. Feed. Use	--	--	4,323	291	--	203	--	--	4,411	1,986
Other Oils for Petro. Feed. Use	--	--	2,358	191	--	18	--	--	2,531	623
Special Naphthas	--	--	898	611	--	64	--	--	1,445	1,041
Lubricants	--	--	4,876	1,225	--	-305	--	2,780	3,626	13,042
Waxes	--	--	107	131	--	-18	--	126	130	583
Petroleum Coke	--	--	24,323	490	--	735	--	20,150	3,928	7,609
Marketable	--	--	18,674	490	--	735	--	20,150	-1,721	7,609
Catalyst	--	--	5,649	--	--	--	--	--	5,649	--
Asphalt and Road Oil	--	--	9,448	1,763	--	3,219	--	816	7,176	28,895
Still Gas	--	--	19,180	--	--	--	--	--	19,180	--
Miscellaneous Products	--	--	2,656	--	--	170	--	100	2,386	1,065
Total	567,666	38,446	560,926	260,472	30,179	32,491	529,121	290,369	605,708	1,626,156

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isoctene."

Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January 2023
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³
Crude Oil⁴	12,462	--	--	6,277	764	961	15,029	3,514	0
Hydrocarbon Gas Liquids	5,850	-23	352	227	--	-749	801	2,565	3,789
Natural Gas Liquids	5,850	-23	121	210	--	-749	801	2,565	3,541
Ethane	2,367	--	3	--	--	-33	--	481	1,922
Propane	1,866	--	266	164	--	-256	--	1,456	1,096
Normal Butane	523	--	-139	40	--	-379	352	467	-16
Isobutane	456	--	-10	6	--	-6	226	3	230
Natural Gasoline	638	-23	--	0	--	-75	223	157	309
Refinery Olefins	--	--	231	17	--	0	--	--	248
Ethylene	--	--	0	--	--	0	--	--	0
Propylene	--	--	233	16	--	-12	--	--	261
Normal Butylene	--	--	-4	1	--	12	--	--	-14
Isobutylene	--	--	1	--	--	0	--	--	1
Other Liquids	--	1,258	--	1,067	114	542	1,239	369	289
Hydrogen/Biofuels/Other Hydrocarbons	--	1,258	--	51	151	57	1,101	94	209
Hydrogen	--	--	--	--	209	--	209	--	0
Biofuels (including Fuel Ethanol)	--	1,258	--	50	-58	57	891	94	209
Fuel Ethanol ⁵	--	1,006	--	--	-58	31	827	91	0
Biofuels (excluding Fuel Ethanol)	--	252	--	50	--	26	64	3	209
Biodiesel	--	105	--	30	--	23	41	3	68
Renewable Diesel Fuel	--	129	--	20	--	5	12	NA	132
Other Biofuels ⁶	--	18	--	--	--	-2	11	NA	9
Other Hydrocarbons	--	--	--	0	0	0	1	--	0
Unfinished Oils	--	--	--	526	--	-34	282	197	80
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	0	--	491	-37	520	-144	78	0
Reformulated	--	0	--	143	443	192	393	1	0
Conventional	--	0	--	348	-480	328	-537	77	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	1	--	0
Finished Petroleum Products	--	6	17,743	831	95	294	--	2,919	15,461
Finished Motor Gasoline	--	6	8,934	108	95	-23	--	884	8,282
Reformulated	--	--	2,770	--	-391	0	--	--	2,378
Conventional	--	6	6,164	108	487	-23	--	884	5,904
Finished Aviation Gasoline	--	--	7	0	--	1	--	--	6
Kerosene-Type Jet Fuel	--	0	1,623	115	--	27	--	202	1,510
Kerosene	--	--	15	16	--	-22	--	16	37
Distillate Fuel Oil ⁵	--	0	4,703	274	--	136	--	940	3,902
15 ppm sulfur and under	--	0	4,522	270	--	144	--	778	3,870
Greater than 15 ppm to 500 ppm sulfur	--	0	93	0	--	-5	--	96	2
Greater than 500 ppm sulfur	--	--	88	4	--	-3	--	66	30
Residual Fuel Oil	--	--	262	165	--	44	--	104	279
Less than 0.31 percent sulfur	--	--	44	10	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	90	33	--	24	--	NA	NA
Greater than 1.00 percent sulfur	--	--	128	122	--	21	--	NA	NA
Petrochemical Feedstocks	--	--	216	16	--	7	--	--	224
Naphtha for Petro. Feed. Use	--	--	139	9	--	7	--	--	142
Other Oils for Petro. Feed. Use	--	--	76	6	--	1	--	--	82
Special Naphthas	--	--	29	20	--	2	--	--	47
Lubricants	--	--	157	40	--	-10	--	90	117
Waxes	--	--	3	4	--	-1	--	4	4
Petroleum Coke	--	--	785	16	--	24	--	650	127
Marketable	--	--	602	16	--	24	--	650	-56
Catalyst	--	--	182	--	--	--	--	--	182
Asphalt and Road Oil	--	--	305	57	--	104	--	26	231
Still Gas	--	--	619	--	--	--	--	--	619
Miscellaneous Products	--	--	86	--	--	5	--	3	77
Total	18,312	1,240	18,094	8,402	974	1,048	17,068	9,367	19,539

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocotene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-January 2023
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³
Crude Oil⁴	12,462	--	--	6,277	764	961	15,029	3,514	0
Hydrocarbon Gas Liquids	5,850	-23	352	227	--	-749	801	2,565	3,789
Natural Gas Liquids	5,850	-23	121	210	--	-749	801	2,565	3,541
Ethane	2,367	--	3	--	--	-33	--	481	1,922
Propane	1,866	--	266	164	--	-256	--	1,456	1,096
Normal Butane	523	--	-139	40	--	-379	352	467	-16
Isobutane	456	--	-10	6	--	-6	226	3	230
Natural Gasoline	638	-23	--	0	--	-75	223	157	309
Refinery Olefins	--	--	231	17	--	0	--	--	248
Ethylene	--	--	0	--	--	0	--	--	0
Propylene	--	--	233	16	--	-12	--	--	261
Normal Butylene	--	--	-4	1	--	12	--	--	-14
Isobutylene	--	--	1	--	--	0	--	--	1
Other Liquids	--	1,258	--	1,067	114	542	1,239	369	289
Hydrogen/Biofuels/Other Hydrocarbons	--	1,258	--	51	151	57	1,101	94	209
Hydrogen	--	--	--	--	209	--	209	--	0
Biofuels (including Fuel Ethanol)	--	1,258	--	50	-58	57	891	94	209
Fuel Ethanol ⁵	--	1,006	--	--	-58	31	827	91	0
Biofuels (excluding Fuel Ethanol)	--	252	--	50	--	26	64	3	209
Biodiesel	--	105	--	30	--	23	41	3	68
Renewable Diesel Fuel	--	129	--	20	--	5	12	NA	132
Other Biofuels ⁶	--	18	--	--	--	-2	11	NA	9
Other Hydrocarbons	--	--	--	0	0	0	1	--	0
Unfinished Oils	--	--	--	526	--	-34	282	197	80
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	0	--	491	-37	520	-144	78	0
Reformulated	--	0	--	143	443	192	393	1	0
Conventional	--	0	--	348	-480	328	-537	77	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	1	--	0
Finished Petroleum Products	--	6	17,743	831	95	294	--	2,919	15,461
Finished Motor Gasoline	--	6	8,934	108	95	-23	--	884	8,282
Reformulated	--	--	2,770	--	-391	0	--	--	2,378
Conventional	--	6	6,164	108	487	-23	--	884	5,904
Finished Aviation Gasoline	--	--	7	0	--	1	--	--	6
Kerosene-Type Jet Fuel	--	0	1,623	115	--	27	--	202	1,510
Kerosene	--	--	15	16	--	-22	--	16	37
Distillate Fuel Oil ⁵	--	0	4,703	274	--	136	--	940	3,902
15 ppm sulfur and under	--	0	4,522	270	--	144	--	778	3,870
Greater than 15 ppm to 500 ppm sulfur	--	0	93	0	--	-5	--	96	2
Greater than 500 ppm sulfur	--	--	88	4	--	-3	--	66	30
Residual Fuel Oil	--	--	262	165	--	44	--	104	279
Less than 0.31 percent sulfur	--	--	44	10	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	90	33	--	24	--	NA	NA
Greater than 1.00 percent sulfur	--	--	128	122	--	21	--	NA	NA
Petrochemical Feedstocks	--	--	216	16	--	7	--	--	224
Naphtha for Petro. Feed. Use	--	--	139	9	--	7	--	--	142
Other Oils for Petro. Feed. Use	--	--	76	6	--	1	--	--	82
Special Naphthas	--	--	29	20	--	2	--	--	47
Lubricants	--	--	157	40	--	-10	--	90	117
Waxes	--	--	3	4	--	-1	--	4	4
Petroleum Coke	--	--	785	16	--	24	--	650	127
Marketable	--	--	602	16	--	24	--	650	-56
Catalyst	--	--	182	--	--	--	--	--	182
Asphalt and Road Oil	--	--	305	57	--	104	--	26	231
Still Gas	--	--	619	--	--	--	--	--	619
Miscellaneous Products	--	--	86	--	--	5	--	3	77
Total	18,312	1,240	18,094	8,402	974	1,048	17,068	9,367	19,539

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocotene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 5. PAD District 1 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	2,085	--	--	16,521	3,578	2,607	-448	23,799	1,440	0	7,164
Hydrocarbon Gas Liquids	20,826	-9	465	1,722	2,567	--	-189	1,793	7,019	16,948	9,519
Natural Gas Liquids	20,826	-9	165	1,427	2,371	--	-328	1,793	7,019	16,296	9,227
Ethane	9,043	--	--	--	-4,936	--	131	--	2,975	1,001	991
Propane	6,932	--	504	1,375	6,495	--	-485	--	3,256	12,535	6,354
Normal Butane	2,059	--	-296	47	1,426	--	56	1,367	743	1,070	1,570
Isobutane	971	--	-43	5	-375	--	-30	145	1	442	110
Natural Gasoline	1,821	-9	--	--	-239	--	0	281	44	1,249	202
Refinery Olefins	--	--	300	295	196	--	139	--	--	652	292
Ethylene	--	--	11	--	--	--	--	--	--	11	--
Propylene	--	--	264	295	196	--	-2	--	--	757	135
Normal Butylene	--	--	1	--	--	--	144	--	--	-143	144
Isobutylene	--	--	24	--	--	--	-3	--	--	27	13
Other Liquids	--	523	--	15,086	60,963	9,956	6,201	79,570	123	634	71,294
Hydrogen/Biofuels/Other Hydrocarbons	--	523	--	561	7,962	2,167	782	9,988	98	344	8,914
Hydrogen	--	--	--	--	--	81	--	81	--	0	--
Biofuels (including Fuel Ethanol)	--	523	--	561	7,962	2,086	782	9,907	98	344	8,914
Fuel Ethanol ⁶	--	342	--	--	7,776	2,086	734	9,376	94	0	7,768
Biofuels (excluding Fuel Ethanol) ⁷	--	181	--	561	186	--	49	531	4	344	1,146
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1,730	-27	--	254	1,139	20	290	3,711
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	12,795	53,028	7,789	5,165	68,443	4	0	58,669
Reformulated	--	--	--	4,432	6,894	5,506	3,689	13,143	0	0	20,525
Conventional	--	--	--	8,363	46,134	2,283	1,476	55,300	4	0	38,144
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	1	105,790	16,255	43,627	-9,875	-877	--	2,187	154,487	59,552
Finished Motor Gasoline	--	--	91,528	3,220	2,385	-9,875	420	--	70	86,767	3,314
Reformulated	--	--	33,429	--	--	-4,854	0	--	--	28,575	5
Conventional	--	--	58,099	3,220	2,385	-5,021	420	--	70	58,193	3,309
Finished Aviation Gasoline	--	--	--	--	124	--	-12	--	--	136	194
Kerosene-Type Jet Fuel	--	--	3,176	1,054	12,852	--	-1,450	--	390	18,142	7,507
Kerosene	--	--	32	504	298	--	-655	--	2	1,487	961
Distillate Fuel Oil ⁶	--	1	7,157	7,567	26,222	--	-1,160	--	433	41,673	33,242
15 ppm sulfur and under	--	1	6,984	7,436	25,834	--	-835	--	12	41,078	31,180
Greater than 15 ppm to 500 ppm sulfur	--	--	73	--	--	--	7	--	421	-355	598
Greater than 500 ppm sulfur	--	--	100	131	388	--	-332	--	1	950	1,464
Residual Fuel Oil	--	--	900	2,771	--	--	526	--	4	3,141	6,137
Less than 0.31 percent sulfur	--	--	-17	--	--	--	-1	--	NA	NA	292
0.31 to 1.00 percent sulfur	--	--	667	579	--	--	-33	--	NA	NA	809
Greater than 1.00 percent sulfur	--	--	250	2,192	--	--	560	--	NA	NA	5,036
Petrochemical Feedstocks	--	--	--	94	--	--	--	--	--	94	--
Naphtha for Petro. Feed. Use	--	--	--	93	--	--	--	--	--	93	--
Other Oils for Petro. Feed. Use	--	--	--	1	--	--	--	--	--	1	--
Special Naphthas	--	--	-5	3	--	--	-15	--	--	13	46
Lubricants	--	--	372	95	486	--	-25	--	142	836	1,515
Waxes	--	--	-28	95	--	--	11	--	67	-11	232
Petroleum Coke	--	--	680	--	398	--	--	--	963	116	--
Marketable	--	--	252	--	398	--	--	--	963	-312	--
Catalyst	--	--	428	--	--	--	--	--	--	428	--
Asphalt and Road Oil	--	--	1,046	852	861	--	1,477	--	97	1,185	6,332
Still Gas	--	--	838	--	--	--	--	--	--	838	--
Miscellaneous Products	--	--	94	--	--	--	6	--	18	70	72
Total	22,911	515	106,255	49,584	110,735	2,688	4,687	105,162	10,769	172,069	147,529

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as "Unaccounted For Crude Oil." Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁷ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 6. PAD District 1 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-January 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	2,085	--	--	16,521	3,578	2,607	-448	23,799	1,440	0	7,164
Hydrocarbon Gas Liquids	20,826	-9	465	1,722	2,567	--	-189	1,793	7,019	16,948	9,519
Natural Gas Liquids	20,826	-9	165	1,427	2,371	--	-328	1,793	7,019	16,296	9,227
Ethane	9,043	--	--	--	-4,936	--	131	--	2,975	1,001	991
Propane	6,932	--	504	1,375	6,495	--	-485	--	3,256	12,535	6,354
Normal Butane	2,059	--	-296	47	1,426	--	56	1,367	743	1,070	1,570
Isobutane	971	--	-43	5	-375	--	-30	145	1	442	110
Natural Gasoline	1,821	-9	--	--	-239	--	0	281	44	1,249	202
Refinery Olefins	--	--	300	295	196	--	139	--	--	652	292
Ethylene	--	--	11	--	--	--	--	--	--	11	--
Propylene	--	--	264	295	196	--	-2	--	--	757	135
Normal Butylene	--	--	1	--	--	--	144	--	--	-143	144
Isobutylene	--	--	24	--	--	--	-3	--	--	27	13
Other Liquids	--	523	--	15,086	60,963	9,956	6,201	79,570	123	634	71,294
Hydrogen/Biofuels/Other Hydrocarbons	--	523	--	561	7,962	2,167	782	9,988	98	344	8,914
Hydrogen	--	--	--	--	--	81	--	81	--	0	--
Biofuels (including Fuel Ethanol)	--	523	--	561	7,962	2,086	782	9,907	98	344	8,914
Fuel Ethanol ⁶	--	342	--	--	7,776	2,086	734	9,376	94	0	7,768
Biofuels (excluding Fuel Ethanol) ⁷	--	181	--	561	186	--	49	531	4	344	1,146
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1,730	-27	--	254	1,139	20	290	3,711
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	12,795	53,028	7,789	5,165	68,443	4	0	58,669
Reformulated	--	--	--	4,432	6,894	5,506	3,689	13,143	0	0	20,525
Conventional	--	--	--	8,363	46,134	2,283	1,476	55,300	4	0	38,144
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	1	105,790	16,255	43,627	-9,875	-877	--	2,187	154,487	59,552
Finished Motor Gasoline	--	--	91,528	3,220	2,385	-9,875	420	--	70	86,767	3,314
Reformulated	--	--	33,429	--	--	-4,854	0	--	--	28,575	5
Conventional	--	--	58,099	3,220	2,385	-5,021	420	--	70	58,193	3,309
Finished Aviation Gasoline	--	--	--	--	124	--	-12	--	--	136	194
Kerosene-Type Jet Fuel	--	--	3,176	1,054	12,852	--	-1,450	--	390	18,142	7,507
Kerosene	--	--	32	504	298	--	-655	--	2	1,487	961
Distillate Fuel Oil ⁶	--	1	7,157	7,567	26,222	--	-1,160	--	433	41,673	33,242
15 ppm sulfur and under	--	1	6,984	7,436	25,834	--	-835	--	12	41,078	31,180
Greater than 15 ppm to 500 ppm sulfur	--	--	73	--	--	--	7	--	421	-355	598
Greater than 500 ppm sulfur	--	--	100	131	388	--	-332	--	1	950	1,464
Residual Fuel Oil	--	--	900	2,771	--	--	526	--	4	3,141	6,137
Less than 0.31 percent sulfur	--	--	-17	--	--	--	-1	--	NA	NA	292
0.31 to 1.00 percent sulfur	--	--	667	579	--	--	-33	--	NA	NA	809
Greater than 1.00 percent sulfur	--	--	250	2,192	--	--	560	--	NA	NA	5,036
Petrochemical Feedstocks	--	--	--	94	--	--	--	--	--	94	--
Naphtha for Petro. Feed. Use	--	--	--	93	--	--	--	--	--	93	--
Other Oils for Petro. Feed. Use	--	--	--	1	--	--	--	--	--	1	--
Special Naphthas	--	--	-5	3	--	--	-15	--	--	13	46
Lubricants	--	--	372	95	486	--	-25	--	142	836	1,515
Waxes	--	--	-28	95	--	--	11	--	67	-11	232
Petroleum Coke	--	--	680	--	398	--	--	--	963	116	--
Marketable	--	--	252	--	398	--	--	--	963	-312	--
Catalyst	--	--	428	--	--	--	--	--	--	428	--
Asphalt and Road Oil	--	--	1,046	852	861	--	1,477	--	97	1,185	6,332
Still Gas	--	--	838	--	--	--	--	--	--	838	--
Miscellaneous Products	--	--	94	--	--	--	6	--	18	70	72
Total	22,911	515	106,255	49,584	110,735	2,688	4,687	105,162	10,769	172,069	147,529

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as "Unaccounted For Crude Oil." Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁷ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 7. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	67	--	--	533	115	84	-14	768	46	0
Hydrocarbon Gas Liquids	672	0	15	56	83	--	-6	58	226	547
Natural Gas Liquids	672	0	5	46	76	--	-11	58	226	526
Ethane	292	--	--	--	-159	--	4	--	96	32
Propane	224	--	16	44	210	--	-16	--	105	404
Normal Butane	66	--	-10	2	46	--	2	44	24	35
Isobutane	31	--	-1	0	-12	--	-1	5	0	14
Natural Gasoline	59	0	--	--	-8	--	0	9	1	40
Refinery Olefins	--	--	10	10	6	--	4	--	--	21
Ethylene	--	--	0	--	--	--	--	--	--	0
Propylene	--	--	9	10	6	--	0	--	--	24
Normal Butylene	--	--	0	--	--	--	5	--	--	-5
Isobutylene	--	--	1	--	--	--	0	--	--	1
Other Liquids	--	17	--	487	1,967	321	200	2,567	4	20
Hydrogen/Biofuels/Other Hydrocarbons	--	17	--	18	257	70	25	322	3	11
Hydrogen	--	--	--	--	--	3	--	3	--	0
Biofuels (including Fuel Ethanol)	--	17	--	18	257	67	25	320	3	11
Fuel Ethanol ⁶	--	11	--	--	251	67	24	302	3	0
Biofuels (excluding Fuel Ethanol) ⁷	--	6	--	18	6	--	2	17	0	11
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	56	-1	--	8	37	1	9
Motor Gasoline Blend.Comp. (MGBC) ⁶	--	--	--	413	1,711	251	167	2,208	0	0
Reformulated	--	--	--	143	222	178	119	424	0	0
Conventional	--	--	--	270	1,488	74	48	1,784	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	0	3,413	524	1,407	-319	-28	--	71	4,983
Finished Motor Gasoline	--	--	2,953	104	77	-319	14	--	2	2,799
Reformulated	--	--	1,078	--	--	-157	0	--	--	922
Conventional	--	--	1,874	104	77	-162	14	--	2	1,877
Finished Aviation Gasoline	--	--	--	--	4	--	0	--	--	4
Kerosene-Type Jet Fuel	--	--	102	34	415	--	-47	--	13	585
Kerosene	--	--	1	16	10	--	-21	--	0	48
Distillate Fuel Oil ⁶	--	0	231	244	846	--	-37	--	14	1,344
15 ppm sulfur and under	--	0	225	240	833	--	-27	--	0	1,325
Greater than 15 ppm to 500 ppm sulfur	--	--	2	--	--	--	0	--	14	-11
Greater than 500 ppm sulfur	--	--	3	4	13	--	-11	--	0	31
Residual Fuel Oil	--	--	29	89	--	--	17	--	0	101
Less than 0.31 percent sulfur	--	--	-1	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	22	19	--	--	-1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	8	71	--	--	18	--	NA	NA
Petrochemical Feedstocks	--	--	--	3	--	--	--	--	--	3
Naphtha for Petro. Feed. Use	--	--	--	3	--	--	--	--	--	3
Other Oils for Petro. Feed. Use	--	--	--	0	--	--	--	--	--	0
Special Naphthas	--	--	0	0	--	--	0	--	--	0
Lubricants	--	--	12	3	16	--	-1	--	5	27
Waxes	--	--	-1	3	--	--	0	--	2	0
Petroleum Coke	--	--	22	--	13	--	--	--	31	4
Marketable	--	--	8	--	13	--	--	--	31	-10
Catalyst	--	--	14	--	--	--	--	--	--	14
Asphalt and Road Oil	--	--	34	27	28	--	48	--	3	38
Still Gas	--	--	27	--	--	--	--	--	--	27
Miscellaneous Products	--	--	3	--	--	--	0	--	1	2
Total	739	17	3,428	1,599	3,572	87	151	3,392	347	5,551

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁷ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 8. PAD District 1 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-January 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	67	--	--	533	115	84	-14	768	46	0
Hydrocarbon Gas Liquids	672	0	15	56	83	--	-6	58	226	547
Natural Gas Liquids	672	0	5	46	76	--	-11	58	226	526
Ethane	292	--	--	--	-159	--	4	--	96	32
Propane	224	--	16	44	210	--	-16	--	105	404
Normal Butane	66	--	-10	2	46	--	2	44	24	35
Isobutane	31	--	-1	0	-12	--	-1	5	0	14
Natural Gasoline	59	0	--	--	-8	--	0	9	1	40
Refinery Olefins	--	--	10	10	6	--	4	--	--	21
Ethylene	--	--	0	--	--	--	--	--	--	0
Propylene	--	--	9	10	6	--	0	--	--	24
Normal Butylene	--	--	0	--	--	--	5	--	--	-5
Isobutylene	--	--	1	--	--	--	0	--	--	1
Other Liquids	--	17	--	487	1,967	321	200	2,567	4	20
Hydrogen/Biofuels/Other Hydrocarbons	--	17	--	18	257	70	25	322	3	11
Hydrogen	--	--	--	--	--	3	--	3	--	0
Biofuels (including Fuel Ethanol)	--	17	--	18	257	67	25	320	3	11
Fuel Ethanol ⁶	--	11	--	--	251	67	24	302	3	0
Biofuels (excluding Fuel Ethanol) ⁷	--	6	--	18	6	--	2	17	0	11
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	56	-1	--	8	37	1	9
Motor Gasoline Blend.Comp. (MGBC) ⁶	--	--	--	413	1,711	251	167	2,208	0	0
Reformulated	--	--	--	143	222	178	119	424	0	0
Conventional	--	--	--	270	1,488	74	48	1,784	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	0	3,413	524	1,407	-319	-28	--	71	4,983
Finished Motor Gasoline	--	--	2,953	104	77	-319	14	--	2	2,799
Reformulated	--	--	1,078	--	--	-157	0	--	--	922
Conventional	--	--	1,874	104	77	-162	14	--	2	1,877
Finished Aviation Gasoline	--	--	--	--	4	--	0	--	--	4
Kerosene-Type Jet Fuel	--	--	102	34	415	--	-47	--	13	585
Kerosene	--	--	1	16	10	--	-21	--	0	48
Distillate Fuel Oil ⁶	--	0	231	244	846	--	-37	--	14	1,344
15 ppm sulfur and under	--	0	225	240	833	--	-27	--	0	1,325
Greater than 15 ppm to 500 ppm sulfur	--	--	2	--	--	--	0	--	14	-11
Greater than 500 ppm sulfur	--	--	3	4	13	--	-11	--	0	31
Residual Fuel Oil	--	--	29	89	--	--	17	--	0	101
Less than 0.31 percent sulfur	--	--	-1	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	22	19	--	--	-1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	8	71	--	--	18	--	NA	NA
Petrochemical Feedstocks	--	--	--	3	--	--	--	--	--	3
Naphtha for Petro. Feed. Use	--	--	--	3	--	--	--	--	--	3
Other Oils for Petro. Feed. Use	--	--	--	0	--	--	--	--	--	0
Special Naphthas	--	--	0	0	--	--	0	--	--	0
Lubricants	--	--	12	3	16	--	-1	--	5	27
Waxes	--	--	-1	3	--	--	0	--	2	0
Petroleum Coke	--	--	22	--	13	--	--	--	31	4
Marketable	--	--	8	--	13	--	--	--	31	-10
Catalyst	--	--	14	--	--	--	--	--	--	14
Asphalt and Road Oil	--	--	34	27	28	--	48	--	3	38
Still Gas	--	--	27	--	--	--	--	--	--	27
Miscellaneous Products	--	--	3	--	--	--	0	--	1	2
Total	739	17	3,428	1,599	3,572	87	151	3,392	347	5,551

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁷ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 9. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	52,196	--	--	90,900	-11,007	1,573	17,309	113,697	2,656	0	123,949
Hydrocarbon Gas Liquids	31,995	-685	1,053	2,435	-9,809	--	-4,805	3,748	6,978	19,067	47,541
Natural Gas Liquids	31,995	-685	-36	2,202	-9,197	--	-4,739	3,748	6,978	18,291	47,224
Ethane	10,333	--	--	--	-4,817	--	428	--	2,307	2,781	6,623
Propane	11,914	--	2,244	1,421	-7,585	--	-3,066	--	115	10,945	19,960
Normal Butane	3,828	--	-2,128	601	-3,897	--	-3,250	1,195	101	358	6,836
Isobutane	2,155	--	-152	178	465	--	306	1,773	1	566	2,335
Natural Gasoline	3,765	-685	--	2	6,637	--	843	780	4,454	3,641	11,470
Refinery Olefins	--	--	1,089	233	-612	--	-66	--	--	776	317
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,082	193	-612	--	-59	--	--	722	313
Normal Butylene	--	--	7	40	--	--	-7	--	--	54	4
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	32,650	--	870	-14,382	-6,679	3,687	5,199	3,490	83	71,825
Hydrogen/Biofuels/Other Hydrocarbons	--	32,651	--	90	-17,381	-3,898	535	8,430	987	1,510	11,778
Hydrogen	--	--	--	--	--	1,260	--	1,260	--	0	--
Biofuels (including Fuel Ethanol)	--	32,651	--	90	-17,381	-5,176	534	7,153	987	1,510	11,767
Fuel Ethanol	--	29,738	--	--	-16,499	-5,176	271	6,851	941	0	10,267
Biofuels (excluding Fuel Ethanol) ⁶	--	2,913	--	90	-882	--	263	302	45	1,510	1,499
Other Hydrocarbons	--	--	--	--	--	18	1	17	--	0	11
Unfinished Oils	--	--	--	--	-972	--	-564	-1,410	2,429	-1,427	13,009
Motor Gasoline Blend.Comp. (MGBC)	--	-1	--	780	3,971	-2,781	3,716	-1,821	74	0	47,039
Reformulated	--	0	--	--	204	1,278	604	878	--	0	4,939
Conventional	--	-1	--	780	3,767	-4,059	3,112	-2,699	74	0	42,099
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	122	128,159	1,650	-1,909	7,957	2,490	--	627	132,863	57,712
Finished Motor Gasoline	--	125	68,760	--	101	7,957	247	--	172	76,524	3,509
Reformulated	--	--	9,728	--	--	-1,129	--	--	--	8,599	--
Conventional	--	125	59,032	--	101	9,086	247	--	172	67,925	3,509
Finished Aviation Gasoline	--	--	--	3	45	--	31	--	--	17	234
Kerosene-Type Jet Fuel	--	--	7,307	--	331	--	328	--	36	7,274	7,130
Kerosene	--	--	210	--	--	--	40	--	2	168	138
Distillate Fuel Oil	--	-3	35,115	451	453	--	359	--	82	35,575	29,215
15 ppm sulfur and under	--	-3	35,174	447	365	--	420	--	0	35,563	28,474
Greater than 15 ppm to 500 ppm sulfur	--	0	132	3	88	--	-76	--	20	279	321
Greater than 500 ppm sulfur	--	--	-191	1	--	--	15	--	62	-267	420
Residual Fuel Oil	--	--	895	126	-880	--	-129	--	0	270	1,059
Less than 0.31 percent sulfur	--	--	22	--	-49	--	27	--	NA	NA	246
0.31 to 1.00 percent sulfur	--	--	451	7	-158	--	-56	--	NA	NA	188
Greater than 1.00 percent sulfur	--	--	422	119	-673	--	-100	--	NA	NA	625
Petrochemical Feedstocks	--	--	800	183	-85	--	-29	--	--	927	499
Naphtha for Petro. Feed. Use	--	--	401	105	-85	--	-13	--	--	434	380
Other Oils for Petro. Feed. Use	--	--	399	78	--	--	-16	--	--	493	119
Special Naphthas	--	--	-15	3	31	--	8	--	--	11	126
Lubricants	--	--	182	217	168	--	-7	--	178	396	715
Waxes	--	--	40	15	--	--	6	--	38	11	53
Petroleum Coke	--	--	5,490	14	-1,020	--	472	--	27	3,985	3,091
Marketable	--	--	4,203	14	-1,020	--	472	--	27	2,698	3,091
Catalyst	--	--	1,287	--	--	--	--	--	--	1,287	--
Asphalt and Road Oil	--	--	4,965	638	-1,062	--	1,073	--	90	3,378	11,720
Still Gas	--	--	3,925	--	--	--	--	--	--	3,925	--
Miscellaneous Products	--	--	485	--	9	--	91	--	1	402	223
Total	84,191	32,087	129,212	95,855	-37,108	2,851	18,681	122,644	13,750	152,013	301,027

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biological Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 10. PAD District 2 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-January 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	52,196	--	--	90,900	-11,007	1,573	17,309	113,697	2,656	0	123,949
Hydrocarbon Gas Liquids	31,995	-685	1,053	2,435	-9,809	--	-4,805	3,748	6,978	19,067	47,541
Natural Gas Liquids	31,995	-685	-36	2,202	-9,197	--	-4,739	3,748	6,978	18,291	47,224
Ethane	10,333	--	--	--	-4,817	--	428	--	2,307	2,781	6,623
Propane	11,914	--	2,244	1,421	-7,585	--	-3,066	--	115	10,945	19,960
Normal Butane	3,828	--	-2,128	601	-3,897	--	-3,250	1,195	101	358	6,836
Isobutane	2,155	--	-152	178	465	--	306	1,773	1	566	2,335
Natural Gasoline	3,765	-685	--	2	6,637	--	843	780	4,454	3,641	11,470
Refinery Olefins	--	--	1,089	233	-612	--	-66	--	--	776	317
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,082	193	-612	--	-59	--	--	722	313
Normal Butylene	--	--	7	40	--	--	-7	--	--	54	4
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	32,650	--	870	-14,382	-6,679	3,687	5,199	3,490	83	71,825
Hydrogen/Biofuels/Other Hydrocarbons	--	32,651	--	90	-17,381	-3,898	535	8,430	987	1,510	11,778
Hydrogen	--	--	--	--	--	1,260	--	1,260	--	0	--
Biofuels (including Fuel Ethanol)	--	32,651	--	90	-17,381	-5,176	534	7,153	987	1,510	11,767
Fuel Ethanol	--	29,738	--	--	-16,499	-5,176	271	6,851	941	0	10,267
Biofuels (excluding Fuel Ethanol) ⁶	--	2,913	--	90	-882	--	263	302	45	1,510	1,499
Other Hydrocarbons	--	--	--	--	--	18	1	17	--	0	11
Unfinished Oils	--	--	--	--	-972	--	-564	-1,410	2,429	-1,427	13,009
Motor Gasoline Blend.Comp. (MGBC)	--	-1	--	780	3,971	-2,781	3,716	-1,821	74	0	47,039
Reformulated	--	0	--	--	204	1,278	604	878	--	0	4,939
Conventional	--	-1	--	780	3,767	-4,059	3,112	-2,699	74	0	42,099
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	122	128,159	1,650	-1,909	7,957	2,490	--	627	132,863	57,712
Finished Motor Gasoline	--	125	68,760	--	101	7,957	247	--	172	76,524	3,509
Reformulated	--	--	9,728	--	--	-1,129	--	--	--	8,599	--
Conventional	--	125	59,032	--	101	9,086	247	--	172	67,925	3,509
Finished Aviation Gasoline	--	--	--	3	45	--	31	--	--	17	234
Kerosene-Type Jet Fuel	--	--	7,307	--	331	--	328	--	36	7,274	7,130
Kerosene	--	--	210	--	--	--	40	--	2	168	138
Distillate Fuel Oil	--	-3	35,115	451	453	--	359	--	82	35,575	29,215
15 ppm sulfur and under	--	-3	35,174	447	365	--	420	--	0	35,563	28,474
Greater than 15 ppm to 500 ppm sulfur	--	0	132	3	88	--	-76	--	20	279	321
Greater than 500 ppm sulfur	--	--	-191	1	--	--	15	--	62	-267	420
Residual Fuel Oil	--	--	895	126	-880	--	-129	--	0	270	1,059
Less than 0.31 percent sulfur	--	--	22	--	-49	--	27	--	NA	NA	246
0.31 to 1.00 percent sulfur	--	--	451	7	-158	--	-56	--	NA	NA	188
Greater than 1.00 percent sulfur	--	--	422	119	-673	--	-100	--	NA	NA	625
Petrochemical Feedstocks	--	--	800	183	-85	--	-29	--	--	927	499
Naphtha for Petro. Feed. Use	--	--	401	105	-85	--	-13	--	--	434	380
Other Oils for Petro. Feed. Use	--	--	399	78	--	--	-16	--	--	493	119
Special Naphthas	--	--	-15	3	31	--	8	--	--	11	126
Lubricants	--	--	182	217	168	--	-7	--	178	396	715
Waxes	--	--	40	15	--	--	6	--	38	11	53
Petroleum Coke	--	--	5,490	14	-1,020	--	472	--	27	3,985	3,091
Marketable	--	--	4,203	14	-1,020	--	472	--	27	2,698	3,091
Catalyst	--	--	1,287	--	--	--	--	--	--	1,287	--
Asphalt and Road Oil	--	--	4,965	638	-1,062	--	1,073	--	90	3,378	11,720
Still Gas	--	--	3,925	--	--	--	--	--	--	3,925	--
Miscellaneous Products	--	--	485	--	9	--	91	--	1	402	223
Total	84,191	32,087	129,212	95,855	-37,108	2,851	18,681	122,644	13,750	152,013	301,027

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biological Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 11. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,684	--	--	2,932	-355	51	558	3,668	86	0
Hydrocarbon Gas Liquids	1,032	-22	34	79	-316	--	-155	121	225	615
Natural Gas Liquids	1,032	-22	-1	71	-297	--	-153	121	225	590
Ethane	333	--	--	--	-155	--	14	--	74	90
Propane	384	--	72	46	-245	--	-99	--	4	353
Normal Butane	123	--	-69	19	-126	--	-105	39	3	12
Isobutane	70	--	-5	6	15	--	10	57	0	18
Natural Gasoline	121	-22	--	0	214	--	27	25	144	117
Refinery Olefins	--	--	35	8	-20	--	-2	--	--	25
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	35	6	-20	--	-2	--	--	23
Normal Butylene	--	--	0	1	--	--	0	--	--	2
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	1,053	--	28	-464	-215	119	168	113	3
Hydrogen/Biofuels/Other Hydrocarbons	--	1,053	--	3	-561	-126	17	272	32	49
Hydrogen	--	--	--	--	--	41	--	41	--	0
Biofuels (including Fuel Ethanol)	--	1,053	--	3	-561	-167	17	231	32	49
Fuel Ethanol	--	959	--	--	-532	-167	9	221	30	0
Biofuels (excluding Fuel Ethanol) ⁶	--	94	--	3	-28	--	8	10	1	49
Other Hydrocarbons	--	--	--	--	--	1	0	1	--	0
Unfinished Oils	--	--	--	--	-31	--	-18	-45	78	-46
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	25	128	-90	120	-59	2	0
Reformulated	--	0	--	--	7	41	19	28	--	0
Conventional	--	0	--	25	122	-131	100	-87	2	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	4	4,134	53	-62	257	80	--	20	4,286
Finished Motor Gasoline	--	4	2,218	--	3	257	8	--	6	2,469
Reformulated	--	--	314	--	--	-36	--	--	--	277
Conventional	--	4	1,904	--	3	293	8	--	6	2,191
Finished Aviation Gasoline	--	--	--	0	1	--	1	--	--	1
Kerosene-Type Jet Fuel	--	--	236	--	11	--	11	--	1	235
Kerosene	--	--	7	--	--	--	1	--	0	5
Distillate Fuel Oil	--	0	1,133	15	15	--	12	--	3	1,148
15 ppm sulfur and under	--	0	1,135	14	12	--	14	--	0	1,147
Greater than 15 ppm to 500 ppm sulfur	--	0	4	0	3	--	-2	--	1	9
Greater than 500 ppm sulfur	--	--	-6	0	--	--	0	--	2	-9
Residual Fuel Oil	--	--	29	4	-28	--	-4	--	0	9
Less than 0.31 percent sulfur	--	--	1	--	-2	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	15	0	-5	--	-2	--	NA	NA
Greater than 1.00 percent sulfur	--	--	14	4	-22	--	-3	--	NA	NA
Petrochemical Feedstocks	--	--	26	6	-3	--	-1	--	--	30
Naphtha for Petro. Feed. Use	--	--	13	3	-3	--	0	--	--	14
Other Oils for Petro. Feed. Use	--	--	13	3	--	--	-1	--	--	16
Special Naphthas	--	--	0	0	1	--	0	--	--	0
Lubricants	--	--	6	7	5	--	0	--	6	13
Waxes	--	--	1	0	--	--	0	--	1	0
Petroleum Coke	--	--	177	0	-33	--	15	--	1	129
Marketable	--	--	136	0	-33	--	15	--	1	87
Catalyst	--	--	42	--	--	--	--	--	--	42
Asphalt and Road Oil	--	--	160	21	-34	--	35	--	3	109
Still Gas	--	--	127	--	--	--	--	--	--	127
Miscellaneous Products	--	--	16	--	0	--	3	--	0	13
Total	2,716	1,035	4,168	3,092	-1,197	92	603	3,956	444	4,904

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 12. PAD District 2 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-January 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,684	--	--	2,932	-355	51	558	3,668	86	0
Hydrocarbon Gas Liquids	1,032	-22	34	79	-316	--	-155	121	225	615
Natural Gas Liquids	1,032	-22	-1	71	-297	--	-153	121	225	590
Ethane	333	--	--	--	-155	--	14	--	74	90
Propane	384	--	72	46	-245	--	-99	--	4	353
Normal Butane	123	--	-69	19	-126	--	-105	39	3	12
Isobutane	70	--	-5	6	15	--	10	57	0	18
Natural Gasoline	121	-22	--	0	214	--	27	25	144	117
Refinery Olefins	--	--	35	8	-20	--	-2	--	--	25
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	35	6	-20	--	-2	--	--	23
Normal Butylene	--	--	0	1	--	--	0	--	--	2
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	1,053	--	28	-464	-215	119	168	113	3
Hydrogen/Biofuels/Other Hydrocarbons	--	1,053	--	3	-561	-126	17	272	32	49
Hydrogen	--	--	--	--	--	41	--	41	--	0
Biofuels (including Fuel Ethanol)	--	1,053	--	3	-561	-167	17	231	32	49
Fuel Ethanol	--	959	--	--	-532	-167	9	221	30	0
Biofuels (excluding Fuel Ethanol) ⁶	--	94	--	3	-28	--	8	10	1	49
Other Hydrocarbons	--	--	--	--	--	1	0	1	--	0
Unfinished Oils	--	--	--	--	-31	--	-18	-45	78	-46
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	25	128	-90	120	-59	2	0
Reformulated	--	0	--	--	7	41	19	28	--	0
Conventional	--	0	--	25	122	-131	100	-87	2	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	4	4,134	53	-62	257	80	--	20	4,286
Finished Motor Gasoline	--	4	2,218	--	3	257	8	--	6	2,469
Reformulated	--	--	314	--	--	-36	--	--	--	277
Conventional	--	4	1,904	--	3	293	8	--	6	2,191
Finished Aviation Gasoline	--	--	--	0	1	--	1	--	--	1
Kerosene-Type Jet Fuel	--	--	236	--	11	--	11	--	1	235
Kerosene	--	--	7	--	--	--	1	--	0	5
Distillate Fuel Oil	--	0	1,133	15	15	--	12	--	3	1,148
15 ppm sulfur and under	--	0	1,135	14	12	--	14	--	0	1,147
Greater than 15 ppm to 500 ppm sulfur	--	0	4	0	3	--	-2	--	1	9
Greater than 500 ppm sulfur	--	--	-6	0	--	--	0	--	2	-9
Residual Fuel Oil	--	--	29	4	-28	--	-4	--	0	9
Less than 0.31 percent sulfur	--	--	1	--	-2	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	15	0	-5	--	-2	--	NA	NA
Greater than 1.00 percent sulfur	--	--	14	4	-22	--	-3	--	NA	NA
Petrochemical Feedstocks	--	--	26	6	-3	--	-1	--	--	30
Naphtha for Petro. Feed. Use	--	--	13	3	-3	--	0	--	--	14
Other Oils for Petro. Feed. Use	--	--	13	3	--	--	-1	--	--	16
Special Naphthas	--	--	0	0	1	--	0	--	--	0
Lubricants	--	--	6	7	5	--	0	--	6	13
Waxes	--	--	1	0	--	--	0	--	1	0
Petroleum Coke	--	--	177	0	-33	--	15	--	1	129
Marketable	--	--	136	0	-33	--	15	--	1	87
Catalyst	--	--	42	--	--	--	--	--	--	42
Asphalt and Road Oil	--	--	160	21	-34	--	35	--	3	109
Still Gas	--	--	127	--	--	--	--	--	--	127
Miscellaneous Products	--	--	16	--	0	--	3	--	0	13
Total	2,716	1,035	4,168	3,092	-1,197	92	603	3,956	444	4,904

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 13. PAD District 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil⁶	282,057	--	--	39,175	26,564	22,692	12,677	252,976	104,835	0	627,593
Hydrocarbon Gas Liquids	112,108	-16	9,562	--	18,952	--	-16,850	15,761	64,484	77,211	122,206
Natural Gas Liquids	112,108	-16	3,932	--	18,536	--	-16,731	15,761	64,484	71,046	121,083
Ethane	49,966	--	106	--	13,934	--	-1,465	--	9,640	55,831	43,990
Propane	33,620	--	4,540	--	5,231	--	-3,708	--	41,036	6,063	39,104
Normal Butane	7,644	--	-576	--	3,532	--	-7,696	6,892	13,378	-1,974	19,010
Isobutane	9,840	--	-138	--	569	--	-588	4,242	76	6,541	8,722
Natural Gasoline	11,038	-16	--	--	-4,730	--	-3,274	4,627	354	4,585	10,257
Refinery Olefins	--	--	5,630	--	416	--	-119	--	--	6,165	1,123
Ethylene	--	--	3	--	--	--	0	--	--	3	0
Propylene	--	--	5,714	--	416	--	-305	--	--	6,435	500
Normal Butylene	--	--	-87	--	--	--	186	--	--	-273	623
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	4,183	--	14,150	-57,226	-198	7,552	-59,598	7,359	5,596	134,871
Hydrogen/Biofuels/Other Hydrocarbons	--	4,183	--	178	4,248	4,123	311	8,353	1,516	2,552	6,365
Hydrogen	--	--	--	--	--	3,690	--	3,690	--	0	--
Biofuels (including Fuel Ethanol)	--	4,183	--	163	4,248	448	311	4,663	1,516	2,552	6,365
Fuel Ethanol	--	717	--	--	4,602	448	-15	4,276	1,505	0	4,471
Biofuels (excluding Fuel Ethanol) ⁷	--	3,466	--	163	-354	--	326	387	11	2,552	1,893
Other Hydrocarbons	--	--	--	15	--	-15	--	--	--	0	--
Unfinished Oils	--	--	--	12,944	999	--	-496	7,738	3,647	3,054	47,148
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1,028	-62,473	-4,321	7,744	-75,706	2,196	0	81,332
Reformulated	--	--	--	--	-8,974	7,153	2,096	-3,938	21	0	11,082
Conventional	--	--	--	1,028	-53,499	-11,475	5,648	-71,768	2,174	0	70,250
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-7	17	--	-10	26
Finished Petroleum Products	--	1	218,192	4,330	-43,986	3,873	8,337	--	77,069	97,004	106,303
Finished Motor Gasoline	--	0	64,419	--	-2,246	3,873	-1,491	--	25,909	41,629	6,277
Reformulated	--	--	13,321	--	--	-6,575	--	--	--	6,746	--
Conventional	--	0	51,098	--	-2,246	10,449	-1,491	--	25,909	34,883	6,277
Finished Aviation Gasoline	--	--	202	--	-169	--	27	--	--	6	578
Kerosene-Type Jet Fuel	--	--	26,670	--	-14,462	--	2,666	--	5,046	4,496	12,261
Kerosene	--	--	217	--	-298	--	-80	--	486	-487	329
Distillate Fuel Oil	--	1	84,402	300	-28,005	--	5,504	--	24,832	26,362	44,063
15 ppm sulfur and under	--	1	79,661	300	-27,529	--	5,171	--	20,908	26,354	37,883
Greater than 15 ppm to 500 ppm sulfur	--	0	2,327	--	-88	--	-96	--	2,442	-107	1,035
Greater than 500 ppm sulfur	--	--	2,414	--	-388	--	429	--	1,481	116	5,145
Residual Fuel Oil	--	--	3,775	1,904	880	--	1,384	--	2,389	2,786	20,024
Less than 0.31 percent sulfur	--	--	1,129	65	49	--	-18	--	NA	NA	1,523
0.31 to 1.00 percent sulfur	--	--	1,102	368	158	--	1,063	--	NA	NA	5,290
Greater than 1.00 percent sulfur	--	--	1,544	1,471	673	--	339	--	NA	NA	13,211
Petrochemical Feedstocks	--	--	5,881	167	85	--	250	--	--	5,883	2,110
Naphtha for Petro. Feed. Use	--	--	3,922	55	85	--	216	--	--	3,846	1,606
Other Oils for Petro. Feed. Use	--	--	1,959	112	--	--	34	--	--	2,037	504
Special Naphthas	--	--	885	567	-31	--	43	--	--	1,378	809
Lubricants	--	--	3,864	908	-654	--	-289	--	2,202	2,205	9,769
Waxes	--	--	95	8	--	--	-35	--	15	123	298
Petroleum Coke	--	--	13,849	476	818	--	314	--	15,503	-675	3,208
Marketable	--	--	11,004	476	818	--	314	--	15,503	-3,520	3,208
Catalyst	--	--	2,845	--	--	--	--	--	--	2,845	--
Asphalt and Road Oil	--	--	2,057	--	105	--	-37	--	605	1,594	5,893
Still Gas	--	--	10,303	--	--	--	--	--	--	10,303	--
Miscellaneous Products	--	--	1,573	--	-9	--	81	--	81	1,402	684
Total	394,165	4,168	227,754	57,655	-55,696	26,367	11,716	209,139	253,747	179,811	990,972

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 14. PAD District 3 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-January 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil⁶	282,057	--	--	39,175	26,564	22,692	12,677	252,976	104,835	0	627,593
Hydrocarbon Gas Liquids	112,108	-16	9,562	--	18,952	--	-16,850	15,761	64,484	77,211	122,206
Natural Gas Liquids	112,108	-16	3,932	--	18,536	--	-16,731	15,761	64,484	71,046	121,083
Ethane	49,966	--	106	--	13,934	--	-1,465	--	9,640	55,831	43,990
Propane	33,620	--	4,540	--	5,231	--	-3,708	--	41,036	6,063	39,104
Normal Butane	7,644	--	-576	--	3,532	--	-7,696	6,892	13,378	-1,974	19,010
Isobutane	9,840	--	-138	--	569	--	-588	4,242	76	6,541	8,722
Natural Gasoline	11,038	-16	--	--	-4,730	--	-3,274	4,627	354	4,585	10,257
Refinery Olefins	--	--	5,630	--	416	--	-119	--	--	6,165	1,123
Ethylene	--	--	3	--	--	--	0	--	--	3	--
Propylene	--	--	5,714	--	416	--	-305	--	--	6,435	500
Normal Butylene	--	--	-87	--	--	--	186	--	--	-273	623
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	4,183	--	14,150	-57,226	-198	7,552	-59,598	7,359	5,596	134,871
Hydrogen/Biofuels/Other Hydrocarbons	--	4,183	--	178	4,248	4,123	311	8,353	1,516	2,552	6,365
Hydrogen	--	--	--	--	--	3,690	--	3,690	--	0	--
Biofuels (including Fuel Ethanol)	--	4,183	--	163	4,248	448	311	4,663	1,516	2,552	6,365
Fuel Ethanol	--	717	--	--	4,602	448	-15	4,276	1,505	0	4,471
Biofuels (excluding Fuel Ethanol) ⁷	--	3,466	--	163	-354	--	326	387	11	2,552	1,893
Other Hydrocarbons	--	--	--	15	--	-15	--	--	--	0	--
Unfinished Oils	--	--	--	12,944	999	--	-496	7,738	3,647	3,054	47,148
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1,028	-62,473	-4,321	7,744	-75,706	2,196	0	81,332
Reformulated	--	--	--	--	-8,974	7,153	2,096	-3,938	21	0	11,082
Conventional	--	--	--	1,028	-53,499	-11,475	5,648	-71,768	2,174	0	70,250
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-7	17	--	-10	26
Finished Petroleum Products	--	1	218,192	4,330	-43,986	3,873	8,337	--	77,069	97,004	106,303
Finished Motor Gasoline	--	0	64,419	--	-2,246	3,873	-1,491	--	25,909	41,629	6,277
Reformulated	--	--	13,321	--	--	-6,575	--	--	--	6,746	--
Conventional	--	0	51,098	--	-2,246	10,449	-1,491	--	25,909	34,883	6,277
Finished Aviation Gasoline	--	--	202	--	-169	--	27	--	--	6	578
Kerosene-Type Jet Fuel	--	--	26,670	--	-14,462	--	2,666	--	5,046	4,496	12,261
Kerosene	--	--	217	--	-298	--	-80	--	486	-487	329
Distillate Fuel Oil	--	1	84,402	300	-28,005	--	5,504	--	24,832	26,362	44,063
15 ppm sulfur and under	--	1	79,661	300	-27,529	--	5,171	--	20,908	26,354	37,883
Greater than 15 ppm to 500 ppm sulfur	--	0	2,327	--	-88	--	-96	--	2,442	-107	1,035
Greater than 500 ppm sulfur	--	--	2,414	--	-388	--	429	--	1,481	116	5,145
Residual Fuel Oil	--	--	3,775	1,904	880	--	1,384	--	2,389	2,786	20,024
Less than 0.31 percent sulfur	--	--	1,129	65	49	--	-18	--	NA	NA	1,523
0.31 to 1.00 percent sulfur	--	--	1,102	368	158	--	1,063	--	NA	NA	5,290
Greater than 1.00 percent sulfur	--	--	1,544	1,471	673	--	339	--	NA	NA	13,211
Petrochemical Feedstocks	--	--	5,881	167	85	--	250	--	--	5,883	2,110
Naphtha for Petro. Feed. Use	--	--	3,922	55	85	--	216	--	--	3,846	1,606
Other Oils for Petro. Feed. Use	--	--	1,959	112	--	--	34	--	--	2,037	504
Special Naphthas	--	--	885	567	-31	--	43	--	--	1,378	809
Lubricants	--	--	3,864	908	-654	--	-289	--	2,202	2,205	9,769
Waxes	--	--	95	8	--	--	-35	--	15	123	298
Petroleum Coke	--	--	13,849	476	818	--	314	--	15,503	-675	3,208
Marketable	--	--	11,004	476	818	--	314	--	15,503	-3,520	3,208
Catalyst	--	--	2,845	--	--	--	--	--	--	2,845	--
Asphalt and Road Oil	--	--	2,057	--	105	--	-37	--	605	1,594	5,893
Still Gas	--	--	10,303	--	--	--	--	--	--	10,303	--
Miscellaneous Products	--	--	1,573	--	-9	--	81	--	81	1,402	684
Total	394,165	4,168	227,754	57,655	-55,696	26,367	11,716	209,139	253,747	179,811	990,972

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 15. PAD District 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil⁶	9,099	--	--	1,264	857	732	409	8,161	3,382	0
Hydrocarbon Gas Liquids	3,616	-1	308	--	611	--	-544	508	2,080	2,491
Natural Gas Liquids	3,616	-1	127	--	598	--	-540	508	2,080	2,292
Ethane	1,612	--	3	--	449	--	-47	--	311	1,801
Propane	1,085	--	146	--	169	--	-120	--	1,324	196
Normal Butane	247	--	-19	--	114	--	-248	222	432	-64
Isobutane	317	--	-4	--	18	--	-19	137	2	211
Natural Gasoline	356	-1	--	--	-153	--	-106	149	11	148
Refinery Olefins	--	--	182	--	13	--	-4	--	--	199
Ethylene	--	--	0	--	--	--	0	--	--	0
Propylene	--	--	184	--	13	--	-10	--	--	208
Normal Butylene	--	--	-3	--	--	--	6	--	--	-9
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	135	--	456	-1,846	-6	244	-1,923	237	181
Hydrogen/Biofuels/Other Hydrocarbons	--	135	--	6	137	133	10	269	49	82
Hydrogen	--	--	--	--	--	119	--	119	--	0
Biofuels (including Fuel Ethanol)	--	135	--	5	137	14	10	150	49	82
Fuel Ethanol	--	23	--	--	148	14	0	138	49	0
Biofuels (excluding Fuel Ethanol) ⁷	--	112	--	5	-11	--	11	12	0	82
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	418	32	--	-16	250	118	99
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	33	-2,015	-139	250	-2,442	71	0
Reformulated	--	--	--	--	-289	231	68	-127	1	0
Conventional	--	--	--	33	-1,726	-370	182	-2,315	70	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	1	--	0
Finished Petroleum Products	--	0	7,038	140	-1,419	125	269	--	2,486	3,129
Finished Motor Gasoline	--	0	2,078	--	-72	125	-48	--	836	1,343
Reformulated	--	--	430	--	--	-212	--	--	--	218
Conventional	--	0	1,648	--	-72	337	-48	--	836	1,125
Finished Aviation Gasoline	--	--	7	--	-5	--	1	--	--	0
Kerosene-Type Jet Fuel	--	--	860	--	-467	--	86	--	163	145
Kerosene	--	--	7	--	-10	--	-3	--	16	-16
Distillate Fuel Oil	--	0	2,723	10	-903	--	178	--	801	850
15 ppm sulfur and under	--	0	2,570	10	-888	--	167	--	674	850
Greater than 15 ppm to 500 ppm sulfur	--	0	75	--	-3	--	-3	--	79	-3
Greater than 500 ppm sulfur	--	--	78	--	-13	--	14	--	48	4
Residual Fuel Oil	--	--	122	61	28	--	45	--	77	90
Less than 0.31 percent sulfur	--	--	36	2	2	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	36	12	5	--	34	--	NA	NA
Greater than 1.00 percent sulfur	--	--	50	47	22	--	11	--	NA	NA
Petrochemical Feedstocks	--	--	190	5	3	--	8	--	--	190
Naphtha for Petro. Feed. Use	--	--	127	2	3	--	7	--	--	124
Other Oils for Petro. Feed. Use	--	--	63	4	--	--	1	--	--	66
Special Naphthas	--	--	29	18	-1	--	1	--	--	44
Lubricants	--	--	125	29	-21	--	-9	--	71	71
Waxes	--	--	3	0	--	--	-1	--	0	4
Petroleum Coke	--	--	447	15	26	--	10	--	500	-22
Marketable	--	--	355	15	26	--	10	--	500	-114
Catalyst	--	--	92	--	--	--	--	--	--	92
Asphalt and Road Oil	--	--	66	--	3	--	-1	--	20	51
Still Gas	--	--	332	--	--	--	--	--	--	332
Miscellaneous Products	--	--	51	--	0	--	3	--	3	45
Total	12,715	134	7,347	1,860	-1,797	851	378	6,746	8,185	5,800

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol,

bioiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B,

Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocetene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 16. PAD District 3 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-January 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil⁶	9,099	--	--	1,264	857	732	409	8,161	3,382	0
Hydrocarbon Gas Liquids	3,616	-1	308	--	611	--	-544	508	2,080	2,491
Natural Gas Liquids	3,616	-1	127	--	598	--	-540	508	2,080	2,292
Ethane	1,612	--	3	--	449	--	-47	--	311	1,801
Propane	1,085	--	146	--	169	--	-120	--	1,324	196
Normal Butane	247	--	-19	--	114	--	-248	222	432	-64
Isobutane	317	--	-4	--	18	--	-19	137	2	211
Natural Gasoline	356	-1	--	--	-153	--	-106	149	11	148
Refinery Olefins	--	--	182	--	13	--	-4	--	--	199
Ethylene	--	--	0	--	--	--	0	--	--	0
Propylene	--	--	184	--	13	--	-10	--	--	208
Normal Butylene	--	--	-3	--	--	--	6	--	--	-9
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	135	--	456	-1,846	-6	244	-1,923	237	181
Hydrogen/Biofuels/Other Hydrocarbons	--	135	--	6	137	133	10	269	49	82
Hydrogen	--	--	--	--	--	119	--	119	--	0
Biofuels (including Fuel Ethanol)	--	135	--	5	137	14	10	150	49	82
Fuel Ethanol	--	23	--	--	148	14	0	138	49	0
Biofuels (excluding Fuel Ethanol) ⁷	--	112	--	5	-11	--	11	12	0	82
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	418	32	--	-16	250	118	99
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	33	-2,015	-139	250	-2,442	71	0
Reformulated	--	--	--	--	-289	231	68	-127	1	0
Conventional	--	--	--	33	-1,726	-370	182	-2,315	70	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	1	--	0
Finished Petroleum Products	--	0	7,038	140	-1,419	125	269	--	2,486	3,129
Finished Motor Gasoline	--	0	2,078	--	-72	125	-48	--	836	1,343
Reformulated	--	--	430	--	--	-212	--	--	--	218
Conventional	--	0	1,648	--	-72	337	-48	--	836	1,125
Finished Aviation Gasoline	--	--	7	--	-5	--	1	--	--	0
Kerosene-Type Jet Fuel	--	--	860	--	-467	--	86	--	163	145
Kerosene	--	--	7	--	-10	--	-3	--	16	-16
Distillate Fuel Oil	--	0	2,723	10	-903	--	178	--	801	850
15 ppm sulfur and under	--	0	2,570	10	-888	--	167	--	674	850
Greater than 15 ppm to 500 ppm sulfur	--	0	75	--	-3	--	-3	--	79	-3
Greater than 500 ppm sulfur	--	--	78	--	-13	--	14	--	48	4
Residual Fuel Oil	--	--	122	61	28	--	45	--	77	90
Less than 0.31 percent sulfur	--	--	36	2	2	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	36	12	5	--	34	--	NA	NA
Greater than 1.00 percent sulfur	--	--	50	47	22	--	11	--	NA	NA
Petrochemical Feedstocks	--	--	190	5	3	--	8	--	--	190
Naphtha for Petro. Feed. Use	--	--	127	2	3	--	7	--	--	124
Other Oils for Petro. Feed. Use	--	--	63	4	--	--	1	--	--	66
Special Naphthas	--	--	29	18	-1	--	1	--	--	44
Lubricants	--	--	125	29	-21	--	-9	--	71	71
Waxes	--	--	3	0	--	--	-1	--	0	4
Petroleum Coke	--	--	447	15	26	--	10	--	500	-22
Marketable	--	--	355	15	26	--	10	--	500	-114
Catalyst	--	--	92	--	--	--	--	--	--	92
Asphalt and Road Oil	--	--	66	--	3	--	-1	--	20	51
Still Gas	--	--	332	--	--	--	--	--	--	332
Miscellaneous Products	--	--	51	--	0	--	3	--	3	45
Total	12,715	134	7,347	1,860	-1,797	851	378	6,746	8,185	5,800

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocotene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 17. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	26,206	--	--	13,327	-22,180	-2,446	254	14,653	--	0	24,675
Hydrocarbon Gas Liquids	14,216	-8	-11	1,060	-13,551	--	-681	568	9	1,810	5,439
Natural Gas Liquids	14,216	-8	21	1,059	-13,551	--	-708	568	9	1,868	5,334
Ethane	4,038	--	--	--	-4,181	--	-122	--	0	-21	914
Propane	5,134	--	167	968	-4,763	--	-356	--	1	1,861	2,041
Normal Butane	2,096	--	-137	89	-2,087	--	-384	273	--	72	1,027
Isobutane	914	--	-9	--	-852	--	51	134	--	-132	476
Natural Gasoline	2,034	-8	--	2	-1,668	--	103	161	8	88	876
Refinery Olefins	--	--	-32	1	--	--	27	--	--	-58	105
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	-9	1	--	--	-7	--	--	-1	3
Normal Butylene	--	--	-23	--	--	--	34	--	--	-57	102
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	714	--	163	1,159	257	-81	1,856	14	503	9,626
Hydrogen/Biofuels/Other Hydrocarbons	--	714	--	12	495	269	136	1,017	12	323	717
Hydrogen	--	--	--	--	--	172	--	172	--	0	--
Biofuels (including Fuel Ethanol)	--	714	--	12	495	97	136	845	12	323	717
Fuel Ethanol	--	311	--	--	479	97	69	805	12	0	411
Biofuels (excluding Fuel Ethanol) ⁶	--	403	--	12	16	--	67	40	--	323	306
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	87	-267	0	180	3,082
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	151	664	-11	-304	1,106	2	0	5,827
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	151	664	-11	-304	1,106	2	0	5,827
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	0	17,876	70	337	-85	603	--	19	17,574	8,543
Finished Motor Gasoline	--	--	9,475	--	-299	-85	274	--	1	8,816	1,560
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	9,475	--	-299	-85	274	--	1	8,816	1,560
Finished Aviation Gasoline	--	--	3	--	--	--	0	--	--	3	9
Kerosene-Type Jet Fuel	--	--	635	10	1,054	--	-130	--	--	1,829	625
Kerosene	--	--	--	--	--	--	-1	--	--	1	1
Distillate Fuel Oil	--	0	5,304	--	193	--	257	--	0	5,239	3,951
15 ppm sulfur and under	--	0	5,212	--	193	--	247	--	0	5,157	3,745
Greater than 15 ppm to 500 ppm sulfur	--	--	81	--	--	--	-1	--	--	82	147
Greater than 500 ppm sulfur	--	--	11	--	--	--	11	--	--	0	59
Residual Fuel Oil	--	--	295	--	--	--	8	--	--	287	218
Less than 0.31 percent sulfur	--	--	175	--	--	--	1	--	NA	NA	27
0.31 to 1.00 percent sulfur	--	--	12	--	--	--	1	--	NA	NA	5
Greater than 1.00 percent sulfur	--	--	108	--	--	--	6	--	NA	NA	186
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	1	--	--	--	--	--	1	--
Lubricants	--	--	--	--	--	--	--	--	16	-16	--
Waxes	--	--	--	--	--	--	--	--	--	--	--
Petroleum Coke	--	--	719	--	-225	--	34	--	0	460	131
Marketable	--	--	536	--	-225	--	34	--	0	277	131
Catalyst	--	--	183	--	--	--	--	--	--	183	--
Asphalt and Road Oil	--	--	709	59	-387	--	163	--	3	216	2,034
Still Gas	--	--	627	--	--	--	--	--	--	627	--
Miscellaneous Products	--	--	109	--	--	--	-2	--	--	111	14
Total	40,422	705	17,865	14,620	-34,236	-2,274	96	17,077	42	19,888	48,283

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 18. PAD District 4 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-January 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	26,206	--	--	13,327	-22,180	-2,446	254	14,653	--	0	24,675
Hydrocarbon Gas Liquids	14,216	-8	-11	1,060	-13,551	--	-681	568	9	1,810	5,439
Natural Gas Liquids	14,216	-8	21	1,059	-13,551	--	-708	568	9	1,868	5,334
Ethane	4,038	--	--	--	-4,181	--	-122	--	0	-21	914
Propane	5,134	--	167	968	-4,763	--	-356	--	1	1,861	2,041
Normal Butane	2,096	--	-137	89	-2,087	--	-384	273	--	72	1,027
Isobutane	914	--	-9	--	-852	--	51	134	--	-132	476
Natural Gasoline	2,034	-8	--	2	-1,668	--	103	161	8	88	876
Refinery Olefins	--	--	-32	1	--	--	27	--	--	-58	105
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	-9	1	--	--	-7	--	--	-1	3
Normal Butylene	--	--	-23	--	--	--	34	--	--	-57	102
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	714	--	163	1,159	257	-81	1,856	14	503	9,626
Hydrogen/Biofuels/Other Hydrocarbons	--	714	--	12	495	269	136	1,017	12	323	717
Hydrogen	--	--	--	--	--	172	--	172	--	0	--
Biofuels (including Fuel Ethanol)	--	714	--	12	495	97	136	845	12	323	717
Fuel Ethanol	--	311	--	--	479	97	69	805	12	0	411
Biofuels (excluding Fuel Ethanol) ⁶	--	403	--	12	16	--	67	40	--	323	306
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	87	-267	0	180	3,082
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	151	664	-11	-304	1,106	2	0	5,827
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	151	664	-11	-304	1,106	2	0	5,827
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	0	17,876	70	337	-85	603	--	19	17,574	8,543
Finished Motor Gasoline	--	--	9,475	--	-299	-85	274	--	1	8,816	1,560
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	9,475	--	-299	-85	274	--	1	8,816	1,560
Finished Aviation Gasoline	--	--	3	--	--	--	0	--	--	3	9
Kerosene-Type Jet Fuel	--	--	635	10	1,054	--	-130	--	--	1,829	625
Kerosene	--	--	--	--	--	--	-1	--	--	1	1
Distillate Fuel Oil	--	0	5,304	--	193	--	257	--	0	5,239	3,951
15 ppm sulfur and under	--	0	5,212	--	193	--	247	--	0	5,157	3,745
Greater than 15 ppm to 500 ppm sulfur	--	--	81	--	--	--	-1	--	--	82	147
Greater than 500 ppm sulfur	--	--	11	--	--	--	11	--	--	0	59
Residual Fuel Oil	--	--	295	--	--	--	8	--	--	287	218
Less than 0.31 percent sulfur	--	--	175	--	--	--	1	--	NA	NA	27
0.31 to 1.00 percent sulfur	--	--	12	--	--	--	1	--	NA	NA	5
Greater than 1.00 percent sulfur	--	--	108	--	--	--	6	--	NA	NA	186
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	1	--	--	--	--	--	1	--
Lubricants	--	--	--	--	--	--	--	--	16	-16	--
Waxes	--	--	--	--	--	--	--	--	--	--	--
Petroleum Coke	--	--	719	--	-225	--	34	--	0	460	131
Marketable	--	--	536	--	-225	--	34	--	0	277	131
Catalyst	--	--	183	--	--	--	--	--	--	183	--
Asphalt and Road Oil	--	--	709	59	-387	--	163	--	3	216	2,034
Still Gas	--	--	627	--	--	--	--	--	--	627	--
Miscellaneous Products	--	--	109	--	--	--	-2	--	--	111	14
Total	40,422	705	17,865	14,620	-34,236	-2,274	96	17,077	42	19,888	48,283

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 19. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	845	--	--	430	-715	-79	8	473	--	0
Hydrocarbon Gas Liquids	459	0	0	34	-437	--	-22	18	0	58
Natural Gas Liquids	459	0	1	34	-437	--	-23	18	0	60
Ethane	130	--	--	--	-135	--	-4	--	0	-1
Propane	166	--	5	31	-154	--	-11	--	0	60
Normal Butane	68	--	-4	3	-67	--	-12	9	--	2
Isobutane	29	--	0	--	-27	--	2	4	--	-4
Natural Gasoline	66	0	--	0	-54	--	3	5	0	3
Refinery Olefins	--	--	-1	0	--	--	1	--	--	-2
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	0	0	--	--	0	--	--	0
Normal Butylene	--	--	-1	--	--	--	1	--	--	-2
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	23	--	5	37	8	-3	60	0	16
Hydrogen/Biofuels/Other Hydrocarbons	--	23	--	0	16	9	4	33	0	10
Hydrogen	--	--	--	--	--	6	--	6	--	0
Biofuels (including Fuel Ethanol)	--	23	--	0	16	3	4	27	0	10
Fuel Ethanol	--	10	--	--	15	3	2	26	0	0
Biofuels (excluding Fuel Ethanol) ⁶	--	13	--	0	1	--	2	1	--	10
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	3	-9	0	6
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	5	21	0	-10	36	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	5	21	0	-10	36	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	0	577	2	11	-3	19	--	1	567
Finished Motor Gasoline	--	--	306	--	-10	-3	9	--	0	284
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	306	--	-10	-3	9	--	0	284
Finished Aviation Gasoline	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	20	0	34	--	-4	--	--	59
Kerosene	--	--	--	--	--	--	0	--	--	0
Distillate Fuel Oil	--	0	171	--	6	--	8	--	0	169
15 ppm sulfur and under	--	0	168	--	6	--	8	--	0	166
Greater than 15 ppm to 500 ppm sulfur	--	--	3	--	--	--	0	--	--	3
Greater than 500 ppm sulfur	--	--	0	--	--	--	0	--	--	0
Residual Fuel Oil	--	--	10	--	--	--	0	--	--	9
Less than 0.31 percent sulfur	--	--	6	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	0	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	3	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	0	--	--	--	--	--	0
Lubricants	--	--	--	--	--	--	--	--	1	-1
Waxes	--	--	--	--	--	--	--	--	--	--
Petroleum Coke	--	--	23	--	-7	--	1	--	0	15
Marketable	--	--	17	--	-7	--	1	--	0	9
Catalyst	--	--	6	--	--	--	--	--	--	6
Asphalt and Road Oil	--	--	23	2	-12	--	5	--	0	7
Still Gas	--	--	20	--	--	--	--	--	--	20
Miscellaneous Products	--	--	4	--	--	--	0	--	--	4
Total	1,304	23	576	472	-1,104	-73	3	551	1	642

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 20. PAD District 4 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-January 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	845	--	--	430	-715	-79	8	473	--	0
Hydrocarbon Gas Liquids	459	0	0	34	-437	--	-22	18	0	58
Natural Gas Liquids	459	0	1	34	-437	--	-23	18	0	60
Ethane	130	--	--	--	-135	--	-4	--	0	-1
Propane	166	--	5	31	-154	--	-11	--	0	60
Normal Butane	68	--	-4	3	-67	--	-12	9	--	2
Isobutane	29	--	0	--	-27	--	2	4	--	-4
Natural Gasoline	66	0	--	0	-54	--	3	5	0	3
Refinery Olefins	--	--	-1	0	--	--	1	--	--	-2
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	0	0	--	--	0	--	--	0
Normal Butylene	--	--	-1	--	--	--	1	--	--	-2
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	23	--	5	37	8	-3	60	0	16
Hydrogen/Biofuels/Other Hydrocarbons	--	23	--	0	16	9	4	33	0	10
Hydrogen	--	--	--	--	--	6	--	6	--	0
Biofuels (including Fuel Ethanol)	--	23	--	0	16	3	4	27	0	10
Fuel Ethanol	--	10	--	--	15	3	2	26	0	0
Biofuels (excluding Fuel Ethanol) ⁶	--	13	--	0	1	--	2	1	--	10
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	3	-9	0	6
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	5	21	0	-10	36	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	5	21	0	-10	36	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	0	577	2	11	-3	19	--	1	567
Finished Motor Gasoline	--	--	306	--	-10	-3	9	--	0	284
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	306	--	-10	-3	9	--	0	284
Finished Aviation Gasoline	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	20	0	34	--	-4	--	--	59
Kerosene	--	--	--	--	--	--	0	--	--	0
Distillate Fuel Oil	--	0	171	--	6	--	8	--	0	169
15 ppm sulfur and under	--	0	168	--	6	--	8	--	0	166
Greater than 15 ppm to 500 ppm sulfur	--	--	3	--	--	--	0	--	--	3
Greater than 500 ppm sulfur	--	--	0	--	--	--	0	--	--	0
Residual Fuel Oil	--	--	10	--	--	--	0	--	--	9
Less than 0.31 percent sulfur	--	--	6	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	0	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	3	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	0	--	--	--	--	--	0
Lubricants	--	--	--	--	--	--	--	--	1	-1
Waxes	--	--	--	--	--	--	--	--	--	--
Petroleum Coke	--	--	23	--	-7	--	1	--	0	15
Marketable	--	--	17	--	-7	--	1	--	0	9
Catalyst	--	--	6	--	--	--	--	--	--	6
Asphalt and Road Oil	--	--	23	2	-12	--	5	--	0	7
Still Gas	--	--	20	--	--	--	--	--	--	20
Miscellaneous Products	--	--	4	--	--	--	0	--	--	4
Total	1,304	23	576	472	-1,104	-73	3	551	1	642

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 21. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	23,771	--	--	34,676	3,045	-728	3	60,761	--	0	48,005
Hydrocarbon Gas Liquids	2,206	-3	-165	1,817	1,841	--	-699	2,954	1,026	2,416	3,156
Natural Gas Liquids	2,206	-3	-329	1,817	1,841	--	-706	2,954	1,026	2,259	3,132
Ethane	1	--	--	--	--	--	--	--	--	1	--
Propane	241	--	791	1,322	622	--	-327	--	743	2,560	1,153
Normal Butane	586	--	-1,162	495	1,026	--	-460	1,177	259	-31	1,573
Isobutane	258	--	42	--	193	--	83	708	2	-300	387
Natural Gasoline	1,120	-3	--	--	--	--	-2	1,069	23	28	19
Refinery Olefins	--	--	164	--	--	--	7	--	--	157	24
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	178	--	--	--	-2	--	--	180	12
Normal Butylene	--	--	-14	--	--	--	9	--	--	-23	12
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	917	--	2,823	9,486	193	-557	11,384	454	2,139	53,985
Hydrogen/Biofuels/Other Hydrocarbons	--	917	--	737	4,676	2,023	-11	6,329	290	1,746	5,704
Hydrogen	--	--	--	--	--	1,275	--	1,275	--	0	--
Biofuels (including Fuel Ethanol)	--	917	--	737	4,676	748	-11	5,054	290	1,746	5,704
Fuel Ethanol	--	82	--	--	3,642	748	-103	4,316	259	0	2,465
Biofuels (excluding Fuel Ethanol) ⁶	--	835	--	737	1,034	--	91	738	32	1,746	3,239
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1,629	--	--	-333	1,548	20	394	18,143
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	457	4,810	-1,830	-213	3,507	143	0	30,139
Reformulated	--	0	--	--	1,876	-209	-439	2,104	2	0	14,914
Conventional	--	0	--	457	2,934	-1,621	226	1,403	141	0	15,224
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	56	80,005	3,442	1,932	1,082	-1,436	--	10,581	77,372	33,198
Finished Motor Gasoline	--	56	42,780	131	59	1,082	-161	--	1,248	43,021	2,040
Reformulated	--	--	29,387	--	--	425	3	--	--	29,809	18
Conventional	--	56	13,393	131	59	657	-164	--	1,248	13,212	2,022
Finished Aviation Gasoline	--	--	--	1	--	--	-16	--	--	17	321
Kerosene-Type Jet Fuel	--	2	12,528	2,513	225	--	-589	--	795	15,063	8,341
Kerosene	--	--	2	--	--	--	8	--	0	-6	11
Distillate Fuel Oil	--	-2	13,824	174	1,137	--	-756	--	3,789	12,101	12,542
15 ppm sulfur and under	--	-2	13,166	174	1,137	--	-543	--	3,195	11,823	11,831
Greater than 15 ppm to 500 ppm sulfur	--	--	258	--	--	--	5	--	103	150	237
Greater than 500 ppm sulfur	--	--	400	--	--	--	-218	--	491	127	474
Residual Fuel Oil	--	--	2,242	316	--	--	-417	--	823	2,152	4,673
Less than 0.31 percent sulfur	--	--	40	240	--	--	-27	--	NA	NA	674
0.31 to 1.00 percent sulfur	--	--	571	76	--	--	-244	--	NA	NA	610
Greater than 1.00 percent sulfur	--	--	1,631	--	--	--	-146	--	NA	NA	3,389
Petrochemical Feedstocks	--	--	--	38	--	--	--	--	--	38	--
Naphtha for Petro. Feed. Use	--	--	--	38	--	--	--	--	--	38	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	33	37	--	--	28	--	--	42	60
Lubricants	--	--	458	5	--	--	16	--	241	206	1,043
Waxes	--	--	--	13	--	--	--	--	5	8	--
Petroleum Coke	--	--	3,585	--	28	--	-85	--	3,657	41	1,179
Marketable	--	--	2,679	--	28	--	-85	--	3,657	-865	1,179
Catalyst	--	--	906	--	--	--	--	--	--	906	--
Asphalt and Road Oil	--	--	671	214	483	--	543	--	22	803	2,916
Still Gas	--	--	3,487	--	--	--	--	--	--	3,487	--
Miscellaneous Products	--	--	395	--	--	--	-6	--	0	401	72
Total	25,977	971	79,840	42,758	16,304	547	-2,689	75,099	12,060	81,927	138,345

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 22. PAD District 5 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-January 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	23,771	--	--	34,676	3,045	-728	3	60,761	--	0	48,005
Hydrocarbon Gas Liquids	2,206	-3	-165	1,817	1,841	--	-699	2,954	1,026	2,416	3,156
Natural Gas Liquids	2,206	-3	-329	1,817	1,841	--	-706	2,954	1,026	2,259	3,132
Ethane	1	--	--	--	--	--	--	--	--	1	--
Propane	241	--	791	1,322	622	--	-327	--	743	2,560	1,153
Normal Butane	586	--	-1,162	495	1,026	--	-460	1,177	259	-31	1,573
Isobutane	258	--	42	--	193	--	83	708	2	-300	387
Natural Gasoline	1,120	-3	--	--	--	--	-2	1,069	23	28	19
Refinery Olefins	--	--	164	--	--	--	7	--	--	157	24
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	178	--	--	--	-2	--	--	180	12
Normal Butylene	--	--	-14	--	--	--	9	--	--	-23	12
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	917	--	2,823	9,486	193	-557	11,384	454	2,139	53,985
Hydrogen/Biofuels/Other Hydrocarbons	--	917	--	737	4,676	2,023	-11	6,329	290	1,746	5,704
Hydrogen	--	--	--	--	--	1,275	--	1,275	--	0	--
Biofuels (including Fuel Ethanol)	--	917	--	737	4,676	748	-11	5,054	290	1,746	5,704
Fuel Ethanol	--	82	--	--	3,642	748	-103	4,316	259	0	2,465
Biofuels (excluding Fuel Ethanol) ⁶	--	835	--	737	1,034	--	91	738	32	1,746	3,239
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1,629	--	--	-333	1,548	20	394	18,143
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	457	4,810	-1,830	-213	3,507	143	0	30,139
Reformulated	--	0	--	--	1,876	-209	-439	2,104	2	0	14,914
Conventional	--	0	--	457	2,934	-1,621	226	1,403	141	0	15,224
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	56	80,005	3,442	1,932	1,082	-1,436	--	10,581	77,372	33,198
Finished Motor Gasoline	--	56	42,780	131	59	1,082	-161	--	1,248	43,021	2,040
Reformulated	--	--	29,387	--	--	425	3	--	--	29,809	18
Conventional	--	56	13,393	131	59	657	-164	--	1,248	13,212	2,022
Finished Aviation Gasoline	--	--	--	1	--	--	-16	--	--	17	321
Kerosene-Type Jet Fuel	--	2	12,528	2,513	225	--	-589	--	795	15,063	8,341
Kerosene	--	--	2	--	--	--	8	--	0	-6	11
Distillate Fuel Oil	--	-2	13,824	174	1,137	--	-756	--	3,789	12,101	12,542
15 ppm sulfur and under	--	-2	13,166	174	1,137	--	-543	--	3,195	11,823	11,831
Greater than 15 ppm to 500 ppm sulfur	--	--	258	--	--	--	5	--	103	150	237
Greater than 500 ppm sulfur	--	--	400	--	--	--	-218	--	491	127	474
Residual Fuel Oil	--	--	2,242	316	--	--	-417	--	823	2,152	4,673
Less than 0.31 percent sulfur	--	--	40	240	--	--	-27	--	NA	NA	674
0.31 to 1.00 percent sulfur	--	--	571	76	--	--	-244	--	NA	NA	610
Greater than 1.00 percent sulfur	--	--	1,631	--	--	--	-146	--	NA	NA	3,389
Petrochemical Feedstocks	--	--	--	38	--	--	--	--	--	38	--
Naphtha for Petro. Feed. Use	--	--	--	38	--	--	--	--	--	38	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	33	37	--	--	28	--	--	42	60
Lubricants	--	--	458	5	--	--	16	--	241	206	1,043
Waxes	--	--	--	13	--	--	--	--	5	8	--
Petroleum Coke	--	--	3,585	--	28	--	-85	--	3,657	41	1,179
Marketable	--	--	2,679	--	28	--	-85	--	3,657	-865	1,179
Catalyst	--	--	906	--	--	--	--	--	--	906	--
Asphalt and Road Oil	--	--	671	214	483	--	543	--	22	803	2,916
Still Gas	--	--	3,487	--	--	--	--	--	--	3,487	--
Miscellaneous Products	--	--	395	--	--	--	-6	--	0	401	72
Total	25,977	971	79,840	42,758	16,304	547	-2,689	75,099	12,060	81,927	138,345

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 23. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	767	--	--	1,119	98	-23	0	1,960	--	0
Hydrocarbon Gas Liquids	71	0	-5	59	59	--	-23	95	33	78
Natural Gas Liquids	71	0	-11	59	59	--	-23	95	33	73
Ethane	0	--	--	--	--	--	--	--	--	0
Propane	8	--	26	43	20	--	-11	--	24	83
Normal Butane	19	--	-37	16	33	--	-15	38	8	-1
Isobutane	8	--	1	--	6	--	3	23	0	-10
Natural Gasoline	36	0	--	--	--	--	0	34	1	1
Refinery Olefins	--	--	5	--	--	--	0	--	--	5
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	6	--	--	--	0	--	--	6
Normal Butylene	--	--	0	--	--	--	0	--	--	-1
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	30	--	91	306	6	-18	367	15	69
Hydrogen/Biofuels/Other Hydrocarbons	--	30	--	24	151	65	0	204	9	56
Hydrogen	--	--	--	--	--	41	--	41	--	0
Biofuels (including Fuel Ethanol)	--	30	--	24	151	24	0	163	9	56
Fuel Ethanol	--	3	--	--	117	24	-3	139	8	0
Biofuels (excluding Fuel Ethanol) ⁶	--	27	--	24	33	--	3	24	1	56
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	53	--	--	-11	50	1	13
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	15	155	-59	-7	113	5	0
Reformulated	--	0	--	--	61	-7	-14	68	0	0
Conventional	--	0	--	15	95	-52	7	45	5	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	2	2,581	111	62	35	-46	--	341	2,496
Finished Motor Gasoline	--	2	1,380	4	2	35	-5	--	40	1,388
Reformulated	--	--	948	--	--	14	0	--	--	962
Conventional	--	2	432	4	2	21	-5	--	40	426
Finished Aviation Gasoline	--	--	--	0	--	--	-1	--	--	1
Kerosene-Type Jet Fuel	--	0	404	81	7	--	-19	--	26	486
Kerosene	--	--	0	--	--	--	0	--	0	0
Distillate Fuel Oil	--	0	446	6	37	--	-24	--	122	390
15 ppm sulfur and under	--	0	425	6	37	--	-18	--	103	381
Greater than 15 ppm to 500 ppm sulfur	--	--	8	--	--	--	0	--	3	5
Greater than 500 ppm sulfur	--	--	13	--	--	--	-7	--	16	4
Residual Fuel Oil	--	--	72	10	--	--	-13	--	27	69
Less than 0.31 percent sulfur	--	--	1	8	--	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	18	2	--	--	-8	--	NA	NA
Greater than 1.00 percent sulfur	--	--	53	--	--	--	-5	--	NA	NA
Petrochemical Feedstocks	--	--	--	1	--	--	--	--	--	1
Naphtha for Petro. Feed. Use	--	--	--	1	--	--	--	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	1	--	--	1	--	--	1
Lubricants	--	--	15	0	--	--	1	--	8	7
Waxes	--	--	--	0	--	--	--	--	0	0
Petroleum Coke	--	--	116	--	1	--	-3	--	118	1
Marketable	--	--	86	--	1	--	-3	--	118	-28
Catalyst	--	--	29	--	--	--	--	--	--	29
Asphalt and Road Oil	--	--	22	7	16	--	18	--	1	26
Still Gas	--	--	112	--	--	--	--	--	--	112
Miscellaneous Products	--	--	13	--	--	--	0	--	0	13
Total	838	31	2,575	1,379	526	18	-87	2,423	389	2,643

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 24. PAD District 5 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-January 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	767	--	--	1,119	98	-23	0	1,960	--	0
Hydrocarbon Gas Liquids	71	0	-5	59	59	--	-23	95	33	78
Natural Gas Liquids	71	0	-11	59	59	--	-23	95	33	73
Ethane	0	--	--	--	--	--	--	--	--	0
Propane	8	--	26	43	20	--	-11	--	24	83
Normal Butane	19	--	-37	16	33	--	-15	38	8	-1
Isobutane	8	--	1	--	6	--	3	23	0	-10
Natural Gasoline	36	0	--	--	--	--	0	34	1	1
Refinery Olefins	--	--	5	--	--	--	0	--	--	5
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	6	--	--	--	0	--	--	6
Normal Butylene	--	--	0	--	--	--	0	--	--	-1
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	30	--	91	306	6	-18	367	15	69
Hydrogen/Biofuels/Other Hydrocarbons	--	30	--	24	151	65	0	204	9	56
Hydrogen	--	--	--	--	--	41	--	41	--	0
Biofuels (including Fuel Ethanol)	--	30	--	24	151	24	0	163	9	56
Fuel Ethanol	--	3	--	--	117	24	-3	139	8	0
Biofuels (excluding Fuel Ethanol) ⁶	--	27	--	24	33	--	3	24	1	56
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	53	--	--	-11	50	1	13
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	15	155	-59	-7	113	5	0
Reformulated	--	0	--	--	61	-7	-14	68	0	0
Conventional	--	0	--	15	95	-52	7	45	5	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	2	2,581	111	62	35	-46	--	341	2,496
Finished Motor Gasoline	--	2	1,380	4	2	35	-5	--	40	1,388
Reformulated	--	--	948	--	--	14	0	--	--	962
Conventional	--	2	432	4	2	21	-5	--	40	426
Finished Aviation Gasoline	--	--	--	0	--	--	-1	--	--	1
Kerosene-Type Jet Fuel	--	0	404	81	7	--	-19	--	26	486
Kerosene	--	--	0	--	--	--	0	--	0	--
Distillate Fuel Oil	--	0	446	6	37	--	-24	--	122	390
15 ppm sulfur and under	--	0	425	6	37	--	-18	--	103	381
Greater than 15 ppm to 500 ppm sulfur	--	--	8	--	--	--	0	--	3	5
Greater than 500 ppm sulfur	--	--	13	--	--	--	-7	--	16	4
Residual Fuel Oil	--	--	72	10	--	--	-13	--	27	69
Less than 0.31 percent sulfur	--	--	1	8	--	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	18	2	--	--	-8	--	NA	NA
Greater than 1.00 percent sulfur	--	--	53	--	--	--	-5	--	NA	NA
Petrochemical Feedstocks	--	--	--	1	--	--	--	--	--	1
Naphtha for Petro. Feed. Use	--	--	--	1	--	--	--	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	1	--	--	1	--	--	1
Lubricants	--	--	15	0	--	--	1	--	8	7
Waxes	--	--	--	0	--	--	--	--	0	0
Petroleum Coke	--	--	116	--	1	--	-3	--	118	1
Marketable	--	--	86	--	1	--	-3	--	118	-28
Catalyst	--	--	29	--	--	--	--	--	--	29
Asphalt and Road Oil	--	--	22	7	16	--	18	--	1	26
Still Gas	--	--	112	--	--	--	--	--	--	112
Miscellaneous Products	--	--	13	--	--	--	0	--	0	13
Total	838	31	2,575	1,379	526	18	-87	2,423	389	2,643

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, January 2023
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Supply							
Field Production	2,085	52,196	282,057	26,206	23,771	386,315	12,462
Alaskan	--	--	--	--	--	13,901	448
Lower 48 States	--	--	--	--	--	372,414	12,013
Imports (PAD District of Entry)	16,521	90,900	39,175	13,327	34,676	194,599	6,277
Commercial	16,521	90,900	39,175	13,327	34,676	194,599	6,277
Strategic Petroleum Reserve (SPR)	--	--	--	--	--	--	--
Net Receipts	3,578	-11,007	26,564	-22,180	3,045	--	--
Adjustments ¹	2,607	1,573	22,692	-2,446	-728	23,698	764
Disposition							
Stock Change ²	-448	17,309	12,677	254	3	29,795	961
Commercial	-448	17,309	13,128	254	3	30,246	976
SPR	--	--	-451	--	--	-451	-15
Refinery Inputs	23,799	113,697	252,976	14,653	60,761	465,886	15,029
Exports	1,440	2,656	104,835	--	--	108,931	3,514
Ending Stocks							
Total	7,164	123,949	627,593	24,675	48,005	831,386	--
Commercial	7,164	123,949	256,014	24,675	48,005	459,807	--
Refinery	5,106	13,611	46,318	2,489	20,191	87,715	--
Tank Farms and Pipelines	2,058	110,338	209,696	22,186	23,620	367,898	--
Cushing, Oklahoma	--	38,960	--	--	--	38,960	--
Lease	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water	--	--	--	--	4,194	4,194	--
SPR	--	--	371,579	--	--	371,579	--
SPR Stocks							
Percent of Total Crude Oil Stocks (Percent)	--	--	--	--	--	44.7	--
Percent of Total Petroleum Stocks (Percent)	--	--	--	--	--	22.9	--
Days of Total Petroleum Net Imports (Days)	--	--	--	--	--	--	--
SPR Receipts Detail							
Receipts	--	--	--	--	--	--	--
Domestic	--	--	--	--	--	--	--
Imports	--	--	--	--	--	--	--
Imported by SPR	--	--	--	--	--	--	--
Imported for SPR by Others	--	--	--	--	--	--	--
Imports							
PAD District of Entry	16,521	90,900	39,175	13,327	34,676	194,599	6,277
PAD District of Processing	17,036	87,704	45,382	9,022	35,455	194,599	6,277

-- = Not Applicable.

- = No Data Reported.

¹ Crude oil adjustment was previously referred to as Unaccounted-for Crude Oil.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

Notes: Totals may not equal the sum of components due to independent rounding. Values of Domestic Crude Oil Field Production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," and EIA-817, "Monthly Tanker and Barge Movements Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 26. Production of Crude Oil by PAD District and State, January 2023
(Thousand Barrels)

PAD District and State	January 2023		January-January 2023	
	Total	Daily Average	Total	Daily Average
PAD District 1	2,085	67	2,085	67
Florida	101	3	101	3
New York	23	1	23	1
Pennsylvania	365	12	365	12
Virginia	0	0	0	0
West Virginia	1,595	51	1,595	51
PAD District 2	52,196	1,684	52,196	1,684
Illinois	596	19	596	19
Indiana	129	4	129	4
Kansas	2,349	76	2,349	76
Kentucky	181	6	181	6
Michigan	398	13	398	13
Missouri	6	0	6	0
Nebraska	115	4	115	4
North Dakota	32,414	1,046	32,414	1,046
Ohio	2,515	81	2,515	81
Oklahoma	13,402	432	13,402	432
South Dakota	81	3	81	3
Tennessee	11	0	11	0
PAD District 3	282,057	9,099	282,057	9,099
Alabama	322	10	322	10
Arkansas	366	12	366	12
Louisiana	3,085	100	3,085	100
Mississippi	1,056	34	1,056	34
New Mexico	55,540	1,792	55,540	1,792
Texas	162,354	5,237	162,354	5,237
Federal Offshore PAD District 3	59,334	1,914	59,334	1,914
PAD District 4	26,206	845	26,206	845
Colorado	12,590	406	12,590	406
Idaho	3	0	3	0
Montana	1,974	64	1,974	64
Utah	3,982	128	3,982	128
Wyoming	7,658	247	7,658	247
PAD District 5	23,771	767	23,771	767
Alaska	13,901	448	13,901	448
South Alaska	269	9	269	9
North Slope	13,632	440	13,632	440
Arizona	1	0	1	0
California	9,682	312	9,682	312
Nevada	17	1	17	1
Federal Offshore PAD District 5	171	6	171	6
U.S. Total	386,315	12,462	386,315	12,462

- = No Data Reported.

Note: Year-to-date totals include revised monthly production estimates by state published in Petroleum Navigator. Crude oil production quantities are estimated by state and summed to the PADD and the U.S. level. State production estimates reported by EIA are normally different from data reported by state agencies. For example, production estimates for Texas reported on table 26 are different from production reported by the Railroad Commission of Texas. See EIA "Today In Energy" article released on July 10, 2015 (<http://www.eia.gov/todayinenergy/detail.cfm?id=22012>) for an explanation of differences in production data for Texas.

Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," state government agencies, U.S. Department of the Interior, and the Bureau of Ocean Energy Management.

Table 27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts, January 2023
(Thousand Barrels)

Commodity	Production						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	9	20,817	20,826	5,583	11,312	15,100	31,995
Natural Gas Liquids	9	20,817	20,826	5,583	11,312	15,100	31,995
Ethane	-	9,043	9,043	2,068	2,798	5,467	10,333
Propane	3	6,929	6,932	2,246	4,449	5,219	11,914
Normal Butane	6	2,053	2,059	513	1,834	1,481	3,828
Isobutane	-	971	971	420	593	1,142	2,155
Natural Gasoline	-	1,821	1,821	336	1,638	1,791	3,765

Commodity	Production								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	87,849	4,664	5,510	419	13,666	112,108	14,216	2,206	181,351
Natural Gas Liquids	87,849	4,664	5,510	419	13,666	112,108	14,216	2,206	181,351
Ethane	39,459	2,487	2,104	69	5,847	49,966	4,038	1	73,381
Propane	26,319	1,182	1,893	125	4,101	33,620	5,134	241	57,841
Normal Butane	8,795	-3,216	555	58	1,452	7,644	2,096	586	16,213
Isobutane	4,673	3,885	429	45	808	9,840	914	258	14,138
Natural Gasoline	8,603	326	529	122	1,458	11,038	2,034	1,120	19,778

Commodity	Stocks						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	3	289	292	886	120	241	1,247
Natural Gas Liquids	3	289	292	886	120	241	1,247
Ethane	-	-	-	33	2	50	85
Propane	1	150	151	454	51	69	574
Normal Butane	2	61	63	166	24	23	213
Isobutane	-	19	19	102	6	29	137
Natural Gasoline	-	59	59	131	37	70	238

Commodity	Stocks								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	271	297	733	7	1	1,309	149	235	3,232
Natural Gas Liquids	271	297	733	7	1	1,309	149	235	3,232
Ethane	35	19	-	-	-	54	4	-	143
Propane	71	43	80	3	-	197	58	61	1,041
Normal Butane	20	29	74	3	-	126	30	113	545
Isobutane	103	12	442	-	-	557	15	47	775
Natural Gasoline	42	194	137	1	1	375	42	14	728

- = No Data Reported.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Form EIA-816, "Monthly Natural Gas Liquids Report."

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, January 2023
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	20,908	2,891	23,799	70,794	16,250	26,653	113,697
Hydrocarbon Gas Liquids	1,793	-	1,793	2,730	130	888	3,748
Natural Gas Liquids	1,793	-	1,793	2,730	130	888	3,748
Normal Butane	1,367	-	1,367	821	60	314	1,195
Isobutane	145	-	145	1,359	57	357	1,773
Natural Gasoline	281	-	281	550	13	217	780
Other Liquids	74,498	5,072	79,570	2,549	1,737	913	5,199
Hydrogen/Biofuels/Other Hydrocarbons	9,284	704	9,988	5,215	1,360	1,855	8,430
Hydrogen	81	-	81	755	301	204	1,260
Biofuels (including Fuel Ethanol)	9,203	704	9,907	4,443	1,059	1,651	7,153
Fuel Ethanol	8,748	628	9,376	4,327	1,018	1,506	6,851
Biodiesel	455	76	531	116	41	61	218
Renewable Diesel Fuel	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	84	84
Other Hydrocarbons	-	-	-	17	-	-	17
Unfinished Oils (net)	1,308	-169	1,139	-960	89	-539	-1,410
Naphthas and Lighter	-143	-95	-238	7	3	123	133
Kerosene and Light Gas Oils	124	-	124	-231	66	-193	-358
Heavy Gas Oils	21	-69	-48	-741	20	-299	-1,020
Residuum	1,306	-5	1,301	5	-	-170	-165
Motor Gasoline Blend.Comp. (MGBC)(net)	63,906	4,537	68,443	-1,706	288	-403	-1,821
Reformulated - RBOB	13,143	-	13,143	-881	977	782	878
Conventional	50,763	4,537	55,300	-825	-689	-1,185	-2,699
CBOB	44,257	4,516	48,773	494	-455	-1,256	-1,217
GTAB	2,884	-	2,884	-	-	-	-
Other	3,622	21	3,643	-1,319	-234	71	-1,482
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input	97,199	7,963	105,162	76,073	18,117	28,454	122,644

See footnotes at end of table.

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, January 2023
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	18,620	134,160	90,881	7,071	2,244	252,976	14,653	60,761	465,886
Hydrocarbon Gas Liquids	682	9,785	5,081	119	94	15,761	568	2,954	24,824
Natural Gas Liquids	682	9,785	5,081	119	94	15,761	568	2,954	24,824
Normal Butane	327	3,583	2,909	73	—	6,892	273	1,177	10,904
Isobutane	330	2,415	1,360	43	94	4,242	134	708	7,002
Natural Gasoline	25	3,787	812	3	—	4,627	161	1,069	6,918
Other Liquids	8,798	-45,639	-28,858	6,266	-165	-59,598	1,856	11,384	38,411
Hydrogen/Biofuels/Other Hydrocarbons	2,081	3,010	2,073	1,000	189	8,353	1,017	6,329	34,117
Hydrogen	78	2,062	1,440	64	46	3,690	172	1,275	6,478
Biofuels (including Fuel Ethanol)	2,003	948	633	936	143	4,663	845	5,054	27,622
Fuel Ethanol	1,947	804	473	917	135	4,276	805	4,316	25,624
Biodiesel	56	48	39	19	8	170	16	338	1,273
Renewable Diesel Fuel	—	—	—	—	—	—	—	386	386
Other Biofuels ¹	—	96	121	—	—	217	24	14	339
Other Hydrocarbons	—	—	—	—	—	—	—	—	17
Unfinished Oils (net)	437	-462	8,239	-200	-276	7,738	-267	1,548	8,748
Naphthas and Lighter	385	-5,514	1,196	-35	-3	-3,971	-117	270	-3,923
Kerosene and Light Gas Oils	234	-504	-1,198	-55	-164	-1,687	-99	-602	-2,622
Heavy Gas Oils	-94	2,086	6,467	-31	-109	8,319	-128	1,800	8,923
Residuum	-88	3,470	1,774	-79	—	5,077	77	80	6,370
Motor Gasoline Blend.Comp. (MGBC)(net)	6,269	-48,187	-39,176	5,466	-78	-75,706	1,106	3,507	-4,471
Reformulated - RBOB	5,292	-7,215	-1,542	5	-478	-3,938	—	2,104	12,187
Conventional	977	-40,972	-37,634	5,461	400	-71,768	1,106	1,403	-16,658
CBOB	1,097	-36,702	-35,008	5,504	381	-64,728	910	963	-15,299
GTAB	—	—	—	—	—	—	—	—	2,884
Other	-120	-4,270	-2,626	-43	19	-7,040	196	440	-4,243
Aviation Gasoline Blend. Comp. (net)	11	—	6	—	—	17	—	—	17
Total Input	28,100	98,306	67,104	13,456	2,173	209,139	17,077	75,099	529,121

-- = Not Applicable.

- = No Data Reported.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, January 2023
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	481	-16	465	932	-193	314	1,053
Natural Gas Liquids	181	-16	165	141	-307	130	-36
Ethane	-	-	-	-	-	-	-
Propane	475	29	504	1,435	298	511	2,244
Normal Butane	-268	-28	-296	-1,169	-578	-381	-2,128
Isobutane	-26	-17	-43	-125	-27	0	-152
Natural Gasoline	-	-	-	-	-	-	-
Refinery Olefins	300	-	300	791	114	184	1,089
Ethylene	11	-	11	-	-	-	-
Propylene	264	-	264	784	114	184	1,082
Normal Butylene	1	-	1	7	-	-	7
Isobutylene	24	-	24	-	-	-	-
Finished Motor Gasoline	85,263	6,265	91,528	43,380	9,803	15,577	68,760
Reformulated	33,385	44	33,429	7,421	1,434	873	9,728
Reformulated Blended with Fuel Ethanol	33,384	44	33,428	7,421	1,434	873	9,728
Reformulated Other	1	-	1	-	-	-	-
Conventional	51,878	6,221	58,099	35,959	8,369	14,704	59,032
Conventional Blended with Fuel Ethanol	52,610	6,217	58,827	35,198	8,339	13,193	56,730
Ed55 and Lower	52,541	6,217	58,758	35,176	8,295	13,049	56,520
Greater than Ed55	69	-	69	22	44	144	210
Conventional Other	-732	4	-728	761	30	1,511	2,302
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	3,176	-	3,176	5,397	795	1,115	7,307
Kerosene	30	2	32	137	-	73	210
Distillate Fuel Oil	6,371	786	7,157	19,438	5,799	9,878	35,115
15 ppm sulfur and under	6,245	739	6,984	19,351	5,873	9,950	35,174
Greater than 15 ppm to 500 ppm sulfur	73	-	73	-	-	132	132
Greater than 500 ppm sulfur	53	47	100	87	-74	-204	-191
Residual Fuel Oil	888	12	900	616	151	128	895
Less than 0.31 percent sulfur	-28	11	-17	22	-	-	22
0.31 to 1.00 percent sulfur	666	1	667	343	72	36	451
Greater than 1.00 percent sulfur	250	-	250	251	79	92	422
Petrochemical Feedstocks	-	-	-	800	-	-	800
Naphtha for Petro. Feed. Use	-	-	-	401	-	-	401
Other Oils for Petro. Feed. Use	-	-	-	399	-	-	399
Special Naphthas	-	-5	-5	-29	-	14	-15
Lubricants	206	166	372	-	-	182	182
Waxes	-	-28	-28	-	-	40	40
Petroleum Coke	660	20	680	3,664	977	849	5,490
Marketable	252	-	252	2,763	821	619	4,203
Catalyst	408	20	428	901	156	230	1,287
Asphalt and Road Oil	370	676	1,046	3,389	1,376	200	4,965
Still Gas	786	52	838	2,433	641	851	3,925
Miscellaneous Products	44	50	94	322	123	40	485
Total	98,275	7,980	106,255	80,479	19,472	29,261	129,212
Processing Gain(-) or Loss(+) ¹	-1,076	-17	-1,093	-4,406	-1,355	-807	-6,568

See footnotes at end of table.

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, January 2023
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						Total	PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico					
Hydrocarbon Gas Liquids	200	4,922	4,504	-43	-21	9,562	-11	-165	10,904	
Natural Gas Liquids	-63	2,160	1,913	-57	-21	3,932	21	-329	3,753	
Ethane	6	69	31	-	-	106	-	-	106	
Propane	306	2,296	1,899	13	26	4,540	167	791	8,246	
Normal Butane	-367	-14	-78	-70	-47	-576	-137	-1,162	-4,299	
Isobutane	-8	-191	61	-	-	-138	-9	42	-300	
Natural Gasoline	-	-	-	-	-	-	-	-	-	
Refinery Olefins	263	2,762	2,591	14	-	5,630	-32	164	7,151	
Ethylene	-	3	-	-	-	3	-	-	14	
Propylene	264	2,939	2,497	14	-	5,714	-9	178	7,229	
Normal Butylene	-1	-180	94	-	-	-87	-23	-14	-116	
Isobutylene	-	-	-	-	-	-	-	-	24	
Finished Motor Gasoline	19,630	23,180	11,575	8,588	1,446	64,419	9,475	42,780	276,962	
Reformulated	6,868	6,453	-	-	-	13,321	-	29,387	85,865	
Reformulated Blended with Fuel Ethanol	6,864	6,451	-	-	-	13,315	-	29,387	85,858	
Reformulated Other	4	2	-	-	-	6	-	-	7	
Conventional	12,762	16,727	11,575	8,588	1,446	51,098	9,475	13,393	191,097	
Conventional Blended with Fuel Ethanol	12,585	1,432	4,568	8,989	1,405	28,979	7,854	13,078	165,468	
Ed55 and Lower	12,574	1,431	4,568	8,969	1,404	28,946	7,826	13,070	165,120	
Greater than Ed55	11	1	-	20	1	33	28	8	348	
Conventional Other	177	15,295	7,007	-401	41	22,119	1,621	315	25,629	
Finished Aviation Gasoline	47	57	98	-	-	202	3	-	205	
Kerosene-Type Jet Fuel	1,573	14,936	10,038	123	0	26,670	635	12,528	50,316	
Kerosene	2	182	1	32	-	217	-	2	461	
Distillate Fuel Oil	5,633	42,130	33,479	2,504	656	84,402	5,304	13,824	145,802	
15 ppm sulfur and under	5,631	41,617	29,289	2,468	656	79,661	5,212	13,166	140,197	
Greater than 15 ppm to 500 ppm sulfur	2	217	2,021	87	-	2,327	81	258	2,871	
Greater than 500 ppm sulfur	-	296	2,169	-51	-	2,414	11	400	2,734	
Residual Fuel Oil	286	2,297	1,200	20	-28	3,775	295	2,242	8,107	
Less than 0.31 percent sulfur	304	-	825	-	-	1,129	175	40	1,349	
0.31 to 1.00 percent sulfur	8	658	416	20	-	1,102	12	571	2,803	
Greater than 1.00 percent sulfur	-26	1,639	-41	-	-28	1,544	108	1,631	3,955	
Petrochemical Feedstocks	98	3,618	2,165	-	-	5,881	-	-	6,681	
Naphtha for Petro. Feed. Use	94	2,385	1,443	-	-	3,922	-	-	4,323	
Other Oils for Petro. Feed. Use	4	1,233	722	-	-	1,959	-	-	2,358	
Special Naphthas	54	625	-	206	-	885	-	33	898	
Lubricants	23	1,708	1,417	716	-	3,864	-	458	4,876	
Waxes	-	40	42	13	-	95	-	-	107	
Petroleum Coke	345	7,872	5,443	170	19	13,849	719	3,585	24,323	
Marketable	132	6,316	4,401	155	-	11,004	536	2,679	18,674	
Catalyst	213	1,556	1,042	15	19	2,845	183	906	5,649	
Asphalt and Road Oil	176	178	632	1,015	56	2,057	709	671	9,448	
Still Gas	694	5,762	3,507	269	71	10,303	627	3,487	19,180	
Miscellaneous Products	156	887	470	17	43	1,573	109	395	2,656	
Total	28,917	108,394	74,571	13,630	2,242	227,754	17,865	79,840	560,926	
Processing Gain(-) or Loss(+) ¹	-817	-10,088	-7,467	-174	-69	-18,615	-788	-4,741	-31,805	

- = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, January 2023
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	20,908	2,891	23,799	70,794	16,250	26,653	113,697
Hydrocarbon Gas Liquids	413	-	413	2,692	57	517	3,266
Natural Gas Liquids	413	-	413	2,692	57	517	3,266
Normal Butane	268	-	268	786	-	45	831
Isobutane	145	-	145	1,359	57	357	1,773
Natural Gasoline	-	-	-	547	-	115	662
Other Liquids	-9,224	-63	-9,287	-38,047	-6,112	-11,313	-55,472
Hydrogen/Biofuels/Other Hydrocarbons	143	139	282	985	476	456	1,917
Hydrogen	81	-	81	755	301	204	1,260
Biofuels (including Fuel Ethanol)	62	139	201	213	175	252	640
Fuel Ethanol	62	114	176	180	160	142	482
Biodiesel	-	25	25	33	15	26	74
Renewable Diesel Fuel	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	84	84
Other Hydrocarbons	-	-	-	17	-	-	17
Unfinished Oils (net)	1,308	-169	1,139	-960	89	-539	-1,410
Naphthas and Lighter	-143	-95	-238	7	3	123	133
Kerosene and Light Gas Oils	124	-	124	-231	66	-193	-358
Heavy Gas Oils	21	-69	-48	-741	20	-299	-1,020
Residuum	1,306	-5	1,301	5	-	-170	-165
Motor Gasoline Blend.Comp. (MGBC)(net)	-10,675	-33	-10,708	-38,072	-6,677	-11,230	-55,979
Reformulated - RBOB	-6,447	-	-6,447	-6,918	-	-	-6,918
Conventional	-4,228	-33	-4,261	-31,154	-6,677	-11,230	-49,061
CBOB	-3,340	-54	-3,394	-29,835	-6,392	-11,301	-47,528
GTAB	-	-	-	-	-	-	-
Other	-888	21	-867	-1,319	-285	71	-1,533
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input to Refineries	12,097	2,828	14,925	35,439	10,195	15,857	61,491
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	728	93	822	2,274	537	858	3,669
Operable Capacity (daily average)	780	98	878	2,729	549	928	4,206
Operable Utilization Rate (percent) ²	93.4	95.1	93.6	83.3	97.8	92.4	87.2
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	120	15	134	433	71	165	669
Catalytic Cracking	225	16	241	684	134	191	1,009
Catalytic Hydrocracking	41	-	41	149	63	52	264
Delayed and Fluid Coking	36	-	36	315	72	82	469
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.77	1.80	0.89	1.68	1.90	0.58	1.45
API Gravity, Weighted Average (degrees)	37.64	31.54	36.86	32.45	26.70	40.03	33.31
Operable Capacity (daily average)	780	98	878	2,729	549	928	4,206
Operating	780	98	878	2,580	511	858	3,949
Idle	-	-	-	149	38	70	257
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-

See footnotes at end of table.

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, January 2023
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	18,620	134,160	90,881	7,071	2,244	252,976	14,653	60,761	465,886
Hydrocarbon Gas Liquids	635	6,192	4,737	86	94	11,744	470	2,928	18,821
Natural Gas Liquids	635	6,192	4,737	86	94	11,744	470	2,928	18,821
Normal Butane	281	2,813	2,565	40	—	5,699	210	1,151	8,159
Isobutane	330	2,415	1,360	43	94	4,242	133	708	7,001
Natural Gasoline	24	964	812	3	—	1,803	127	1,069	3,661
Other Liquids	-8,912	-52,175	-31,333	-1,783	-1,463	-95,666	-3,885	-28,604	-192,914
Hydrogen/Biofuels/Other Hydrocarbons	254	2,198	1,790	111	55	4,408	361	1,682	8,650
Hydrogen	78	2,062	1,440	64	46	3,690	172	1,275	6,478
Biofuels (including Fuel Ethanol)	176	136	350	47	9	718	189	407	2,155
Fuel Ethanol	139	40	190	45	5	419	165	126	1,368
Biodiesel	37	—	39	2	4	82	—	11	192
Renewable Diesel Fuel	—	—	—	—	—	—	—	256	256
Other Biofuels ¹	—	96	121	—	—	217	24	14	339
Other Hydrocarbons	—	—	—	—	—	—	—	—	17
Unfinished Oils (net)	437	-462	8,239	-200	-276	7,738	-267	1,548	8,748
Naphthas and Lighter	385	-5,514	1,196	-35	-3	-3,971	-117	270	-3,923
Kerosene and Light Gas Oils	234	-504	-1,198	-55	-164	-1,687	-99	-602	-2,622
Heavy Gas Oils	-94	2,086	6,467	-31	-109	8,319	-128	1,800	8,923
Residuum	-88	3,470	1,774	-79	—	5,077	77	80	6,370
Motor Gasoline Blend.Comp. (MGBC)(net)	-9,614	-53,911	-41,368	-1,694	-1,242	-107,829	-3,979	-31,834	-210,329
Reformulated - RBOB	-937	-11,652	-1,542	—	-478	-14,609	—	-23,620	-51,594
Conventional	-8,677	-42,259	-39,826	-1,694	-764	-93,220	-3,979	-8,214	-158,735
CBOB	-8,557	-33,088	-36,377	-1,651	-756	-80,429	-4,174	-8,317	-143,842
GTAB	—	—	—	—	—	—	—	—	—
Other	-120	-9,171	-3,449	-43	-8	-12,791	195	103	-14,893
Aviation Gasoline Blend. Comp. (net)	11	—	6	—	—	17	—	—	17
Total Input to Refineries	10,343	88,177	64,285	5,374	875	169,054	11,238	35,085	291,793
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	604	4,516	3,095	195	72	8,483	468	2,182	15,624
Operable Capacity (daily average)	744	5,232	3,330	260	110	9,677	650	2,651	18,061
Operable Utilization Rate (percent) ²	81.2	86.3	92.9	75.0	65.8	87.7	72.0	82.3	86.5
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	151	699	560	35	15	1,459	72	335	2,670
Catalytic Cracking	144	1,200	855	15	21	2,236	126	558	4,170
Catalytic Hydrocracking	52	524	393	21	13	1,002	17	375	1,699
Delayed and Fluid Coking	17	694	495	33	—	1,239	60	321	2,125
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.52	1.37	1.04	1.54	1.05	1.17	1.57	1.29	1.25
API Gravity, Weighted Average (degrees)	40.57	34.62	31.97	29.82	38.57	34.20	31.52	29.52	33.40
Operable Capacity (daily average)	744	5,232	3,330	260	110	9,677	650	2,651	18,061
Operating	744	5,232	3,330	260	110	9,677	538	2,645	17,686
Idle	—	—	—	—	—	—	113	6	376
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	12,975	12,975

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, January 2023
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	481	-16	465	932	-193	314	1,053
Natural Gas Liquids	181	-16	165	141	-307	130	-36
Ethane	-	-	-	-	-	-	-
Propane	475	29	504	1,435	298	511	2,244
Normal Butane	-268	-28	-296	-1,169	-578	-381	-2,128
Isobutane	-26	-17	-43	-125	-27	0	-152
Natural Gasoline	-	-	-	-	-	-	-
Refinery Olefins	300	-	300	791	114	184	1,089
Ethylene	11	-	11	-	-	-	-
Propylene	264	-	264	784	114	184	1,082
Normal Butylene	1	-	1	7	-	-	7
Isobutylene	24	-	24	-	-	-	-
Finished Motor Gasoline	618	1,181	1,799	2,829	1,905	3,016	7,750
Reformulated	618	-	618	-	-	4	4
Reformulated Blended with Fuel Ethanol	618	-	618	-	-	4	4
Reformulated Other	-	-	-	-	-	-	-
Conventional	-	1,181	1,181	2,829	1,905	3,012	7,746
Conventional Blended with Fuel Ethanol	-	1,144	1,144	1,820	1,530	1,446	4,796
Ed55 and Lower	-	1,144	1,144	1,820	1,530	1,446	4,796
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	-	37	37	1,009	375	1,566	2,950
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	3,141	-	3,141	5,403	795	1,115	7,313
Kerosene	76	2	78	137	-	73	210
Distillate Fuel Oil	5,872	735	6,607	19,350	5,773	9,843	34,966
15 ppm sulfur and under	5,755	688	6,443	19,263	5,847	9,915	35,025
Greater than 15 ppm to 500 ppm sulfur	38	-	38	-	-	29	29
Greater than 500 ppm sulfur	79	47	126	87	-74	-101	-88
Residual Fuel Oil	917	12	929	616	151	128	895
Less than 0.31 percent sulfur	-	11	11	22	-	-	22
0.31 to 1.00 percent sulfur	666	1	667	343	72	36	451
Greater than 1.00 percent sulfur	251	-	251	251	79	92	422
Petrochemical Feedstocks	-	-	-	800	-	-	800
Naphtha for Petro. Feed. Use	-	-	-	401	-	-	401
Other Oils for Petro. Feed. Use	-	-	-	399	-	-	399
Special Naphthas	-	-5	-5	-29	-	14	-15
Lubricants	206	166	372	-	-	182	182
Waxes	-	-28	-28	-	-	40	40
Petroleum Coke	660	20	680	3,664	977	849	5,490
Marketable	252	-	252	2,763	821	619	4,203
Catalyst	408	20	428	901	156	230	1,287
Asphalt and Road Oil	369	676	1,045	3,389	1,376	200	4,965
Still Gas	786	52	838	2,433	641	851	3,925
Miscellaneous Products	44	50	94	322	123	40	485
Total	13,170	2,845	16,015	39,846	11,548	16,665	68,059
Processing Gain(-) or Loss(+) ¹	-1,073	-17	-1,090	-4,407	-1,353	-808	-6,568

See footnotes at end of table.

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, January 2023
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						Total	PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico					
Hydrocarbon Gas Liquids	200	4,922	4,504	-43	-21	9,562	-11	-165	10,904	
Natural Gas Liquids	-63	2,160	1,913	-57	-21	3,932	21	-329	3,753	
Ethane	6	69	31	-	-	106	-	-	106	
Propane	306	2,296	1,899	13	26	4,540	167	791	8,246	
Normal Butane	-367	-14	-78	-70	-47	-576	-137	-1,162	-4,299	
Isobutane	-8	-191	61	-	-	-138	-9	42	-300	
Natural Gasoline	-	-	-	-	-	-	-	-	-	
Refinery Olefins	263	2,762	2,591	14	-	5,630	-32	164	7,151	
Ethylene	-	3	-	-	-	3	-	-	14	
Propylene	264	2,939	2,497	14	-	5,714	-9	178	7,229	
Normal Butylene	-1	-180	94	-	-	-87	-23	-14	-116	
Isobutylene	-	-	-	-	-	-	-	-	24	
Finished Motor Gasoline	1,891	13,108	8,757	521	151	24,428	3,655	3,218	40,850	
Reformulated	-	-	-	-	-	-	-	-	611	
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	611	1,233	
Reformulated Other	-	-	-	-	-	-	-	-	-	
Conventional	1,891	13,108	8,757	521	151	24,428	3,655	2,607	39,617	
Conventional Blended with Fuel Ethanol	1,497	401	1,761	466	52	4,177	1,689	643	12,449	
Ed55 and Lower	1,497	401	1,761	466	52	4,177	1,689	643	12,449	
Greater than Ed55	-	-	-	-	-	-	-	-	-	
Conventional Other	394	12,707	6,996	55	99	20,251	1,966	1,964	27,168	
Finished Aviation Gasoline	47	57	98	-	-	202	3	-	205	
Kerosene-Type Jet Fuel	1,573	14,900	10,029	123	-	26,625	568	12,533	50,180	
Kerosene	2	218	0	32	-	252	-	2	542	
Distillate Fuel Oil	5,614	42,074	33,488	2,488	652	84,316	5,354	13,373	144,616	
15 ppm sulfur and under	5,612	41,602	29,298	2,452	652	79,616	5,262	12,727	139,073	
Greater than 15 ppm to 500 ppm sulfur	2	217	2,021	87	-	2,327	81	258	2,733	
Greater than 500 ppm sulfur	-	255	2,169	-51	-	2,373	11	388	2,810	
Residual Fuel Oil	286	2,297	1,186	20	-28	3,761	295	2,242	8,122	
Less than 0.31 percent sulfur	304	-	825	-	-	1,129	175	40	1,377	
0.31 to 1.00 percent sulfur	8	658	416	20	-	1,102	12	571	2,803	
Greater than 1.00 percent sulfur	-26	1,639	-55	-	-28	1,530	108	1,631	3,942	
Petrochemical Feedstocks	98	3,618	2,165	-	-	5,881	-	-	6,681	
Naphtha for Petro. Feed. Use	94	2,385	1,443	-	-	3,922	-	-	4,323	
Other Oils for Petro. Feed. Use	4	1,233	722	-	-	1,959	-	-	2,358	
Special Naphthas	54	625	-	206	-	885	-	33	898	
Lubricants	23	1,708	1,417	716	-	3,864	-	458	4,876	
Waxes	-	40	42	13	-	95	-	-	107	
Petroleum Coke	345	7,872	5,443	170	19	13,849	719	3,585	24,323	
Marketable	132	6,316	4,401	155	-	11,004	536	2,679	18,674	
Catalyst	213	1,556	1,042	15	19	2,845	183	906	5,649	
Asphalt and Road Oil	176	178	646	1,015	56	2,071	709	671	9,461	
Still Gas	694	5,762	3,507	269	71	10,303	627	3,487	19,180	
Miscellaneous Products	156	887	470	17	43	1,573	109	395	2,656	
Total	11,159	98,266	71,752	5,547	943	187,667	12,028	39,832	323,601	
Processing Gain(-) or Loss(+) ¹	-816	-10,089	-7,467	-173	-68	-18,613	-790	-4,747	-31,808	

- = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 32. Blender Net Inputs of Petroleum Products by PAD District, January 2023
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	1,380	-	1,380	38	73	371	482
Natural Gas Liquids	1,380	-	1,380	38	73	371	482
Normal Butane	1,099	-	1,099	35	60	269	364
Isobutane	-	-	-	-	-	-	-
Natural Gasoline	281	-	281	3	13	102	118
Other Liquids	83,722	5,135	88,857	40,596	7,849	12,226	60,671
Oxygenates/Renewables	9,141	565	9,706	4,230	884	1,399	6,513
Biofuels (including Fuel Ethanol)	9,141	565	9,706	4,230	884	1,399	6,513
Fuel Ethanol	8,686	514	9,200	4,147	858	1,364	6,369
Biodiesel	455	51	506	83	26	35	144
Renewable Diesel Fuel	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	-	-
Unfinished Oils (net)	-	-	-	-	-	-	-
Naphthas and Lighter	-	-	-	-	-	-	-
Kerosene and Light Gas Oils	-	-	-	-	-	-	-
Heavy Gas Oils	-	-	-	-	-	-	-
Residuum	-	-	-	-	-	-	-
Motor Gasoline Blend.Comp. (MGBC)(net)	74,581	4,570	79,151	36,366	6,965	10,827	54,158
Reformulated - RBOB	19,590	-	19,590	6,037	977	782	7,796
Conventional	54,991	4,570	59,561	30,329	5,988	10,045	46,362
CBOB	47,597	4,570	52,167	30,329	5,937	10,045	46,311
GTAB	2,884	-	2,884	-	-	-	-
Other	4,510	-	4,510	-	51	-	51
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input	85,102	5,135	90,237	40,634	7,922	12,597	61,153

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	47	3,593	344	33	-	4,017	98	26	6,003
Natural Gas Liquids	47	3,593	344	33	-	4,017	98	26	6,003
Normal Butane	46	770	344	33	-	1,193	63	26	2,745
Isobutane	-	-	-	-	-	-	1	-	1
Natural Gasoline	1	2,823	-	-	-	2,824	34	-	3,257
Other Liquids	17,710	6,536	2,475	8,049	1,298	36,068	5,741	39,988	231,325
Oxygenates/Renewables	1,827	812	283	889	134	3,945	656	4,647	25,467
Biofuels (including Fuel Ethanol)	1,827	812	283	889	134	3,945	656	4,647	25,467
Fuel Ethanol	1,808	764	283	872	130	3,857	640	4,190	24,256
Biodiesel	19	48	-	17	4	88	16	327	1,081
Renewable Diesel Fuel	-	-	-	-	-	-	-	130	130
Other Biofuels ¹	-	-	-	-	-	-	-	-	-
Unfinished Oils (net)	-	-	-	-	-	-	-	-	-
Naphthas and Lighter	-	-	-	-	-	-	-	-	-
Kerosene and Light Gas Oils	-	-	-	-	-	-	-	-	-
Heavy Gas Oils	-	-	-	-	-	-	-	-	-
Residuum	-	-	-	-	-	-	-	-	-
Motor Gasoline Blend.Comp. (MGBC)(net)	15,883	5,724	2,192	7,160	1,164	32,123	5,085	35,341	205,858
Reformulated - RBOB	6,229	4,437	-	5	-	10,671	-	25,724	63,781
Conventional	9,654	1,287	2,192	7,155	1,164	21,452	5,085	9,617	142,077
CBOB	9,654	-3,614	1,369	7,155	1,137	15,701	5,084	9,280	128,543
GTAB	-	-	-	-	-	-	-	-	2,884
Other	-	4,901	823	-	27	5,751	1	337	10,650
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-	-	-
Total Input	17,757	10,129	2,819	8,082	1,298	40,085	5,839	40,014	237,328

-- = Not Applicable.

- = No Data Reported.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal Report."

Table 33. Blender Net Production of Petroleum Products by PAD District, January 2023
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Finished Motor Gasoline	84,645	5,084	89,729	40,551	7,898	12,561	61,010
Reformulated	32,767	44	32,811	7,421	1,434	869	9,724
Reformulated Blended with Fuel Ethanol	32,766	44	32,810	7,421	1,434	869	9,724
Reformulated Other	1	-	1	-	-	-	-
Conventional	51,878	5,040	56,918	33,130	6,464	11,692	51,286
Conventional Blended with Fuel Ethanol	52,610	5,073	57,683	33,378	6,809	11,747	51,934
Ed55 and Lower	52,541	5,073	57,614	33,356	6,765	11,603	51,724
Greater than Ed55	69	-	69	22	44	144	210
Conventional Other	-732	-33	-765	-248	-345	-55	-648
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	35	-	35	-6	-	0	-6
Kerosene	-46	-	-46	-	-	-	-
Distillate Fuel Oil	499	51	550	88	26	35	149
15 ppm sulfur and under	490	51	541	88	26	35	149
Greater than 15 ppm to 500 ppm sulfur	35	-	35	-	-	103	103
Greater than 500 ppm sulfur	-26	-	-26	-	-	-103	-103
Residual Fuel Oil	-29	-	-29	-	-	-	-
Less than 0.31 percent sulfur	-28	-	-28	-	-	-	-
0.31 to 1.00 percent sulfur	-	-	-	-	-	-	-
Greater than 1.00 percent sulfur	-1	-	-1	-	-	-	-
Special Naphthas	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-
Asphalt and Road Oil	1	-	1	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-
Total Production	85,105	5,135	90,240	40,633	7,924	12,596	61,153
Processing Gain(-) or Loss(+) ¹	-3	0	-3	1	-2	1	0

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Finished Motor Gasoline	17,739	10,072	2,818	8,067	1,295	39,991	5,820	39,562	236,112
Reformulated	6,868	6,453	-	-	-	13,321	-	28,776	84,632
Reformulated Blended with Fuel Ethanol	6,864	6,451	-	-	-	13,315	-	28,776	84,625
Reformulated Other	4	2	-	-	-	6	-	-	7
Conventional	10,871	3,619	2,818	8,067	1,295	26,670	5,820	10,786	151,480
Conventional Blended with Fuel Ethanol	11,088	1,031	2,807	8,523	1,353	24,802	6,165	12,435	153,019
Ed55 and Lower	11,077	1,030	2,807	8,503	1,352	24,769	6,137	12,427	152,671
Greater than Ed55	11	1	-	20	1	33	28	8	348
Conventional Other	-217	2,588	11	-456	-58	1,868	-345	-1,649	-1,539
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	0	36	9	-	0	45	67	-5	136
Kerosene	-	-36	1	-	-	-35	-	-	-81
Distillate Fuel Oil	19	56	-9	16	4	86	-50	451	1,186
15 ppm sulfur and under	19	15	-9	16	4	45	-50	439	1,124
Greater than 15 ppm to 500 ppm sulfur	-	-	-	-	-	-	-	-	138
Greater than 500 ppm sulfur	-	41	-	-	-	41	-	12	-76
Residual Fuel Oil	-	-	14	-	-	14	-	-	-15
Less than 0.31 percent sulfur	-	-	-	-	-	-	-	-	-28
0.31 to 1.00 percent sulfur	-	-	-	-	-	-	-	-	-
Greater than 1.00 percent sulfur	-	-	14	-	-	14	-	-	13
Special Naphthas	-	-	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil	-	-	-14	-	-	-14	-	-	-13
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total Production	17,758	10,128	2,819	8,083	1,299	40,087	5,837	40,008	237,325
Processing Gain(-) or Loss(+) ¹	-1	1	0	-1	-1	-2	2	6	3

- = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal Report."

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, January 2023
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	4,388	718	5,106	9,842	2,052	1,717	13,611
Petroleum Products	10,865	2,089	12,954	27,736	8,705	11,981	48,422
Hydrocarbon Gas Liquids	717	31	748	1,779	359	1,215	3,353
Natural Gas Liquids	425	31	456	1,492	346	1,198	3,036
Ethane	—	—	—	—	—	—	—
Propane	114	9	123	454	36	528	1,018
Normal Butane	272	14	286	687	261	133	1,081
Isobutane	39	8	47	285	49	254	588
Natural Gasoline	—	—	—	66	—	283	349
Refinery Olefins	292	0	292	287	13	17	317
Ethylene	—	—	—	—	—	—	—
Propylene	135	0	135	283	13	17	313
Normal Butylene	144	0	144	4	0	0	4
Isobutylene	13	0	13	0	0	0	0
Biofuels/Other Hydrocarbons	130	109	239	38	60	26	124
Biofuels (including Fuel Ethanol)	130	109	239	27	60	26	113
Fuel Ethanol	130	102	232	22	49	22	93
Biodiesel	—	7	7	5	11	4	20
Renewable Diesel Fuel	—	—	—	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	11	—	—	11
Unfinished Oils	3,346	358	3,704	7,573	645	4,455	12,673
Naphthas and Lighter	705	208	913	1,759	152	1,065	2,976
Kerosene and Light Gas Oils	447	—	447	1,821	273	479	2,573
Heavy Gas Oils	1,618	142	1,760	2,975	220	2,011	5,206
Residuum	576	8	584	1,018	—	900	1,918
Motor Gasoline Blending Components (MGBC)	3,370	276	3,646	8,788	2,222	3,146	14,156
Reformulated - RBOB	1,232	—	1,232	1,030	—	—	1,030
Conventional	2,138	276	2,414	7,758	2,222	3,146	13,126
CBOB	28	241	269	3,280	1,219	2,296	6,795
GTAB	—	—	—	—	—	—	—
Other	2,110	35	2,145	4,478	1,003	850	6,331
Aviation Gasoline Blending Components	—	—	—	—	—	—	—
Finished Motor Gasoline	—	42	42	268	112	205	585
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	42	42	268	112	205	585
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	42	42	268	112	205	585
Finished Aviation Gasoline	—	—	—	—	50	—	50
Kerosene-Type Jet Fuel	544	—	544	1,529	244	197	1,970
Kerosene	104	3	107	64	—	54	118
Distillate Fuel Oil	1,606	205	1,811	3,251	1,155	1,867	6,273
15 ppm sulfur and under	1,255	121	1,376	3,100	1,103	1,695	5,898
Greater than 15 ppm to 500 ppm sulfur	74	65	139	—	—	132	132
Greater than 500 ppm sulfur	277	19	296	151	52	40	243
Residual Fuel Oil	239	17	256	606	186	95	887
Less than 0.31 percent sulfur	—	15	15	238	—	—	238
0.31 to 1.00 percent sulfur	27	2	29	91	61	34	186
Greater than 1.00 percent sulfur	212	—	212	277	125	61	463
Petrochemical Feedstocks	—	—	—	499	—	—	499
Naphtha for Petro. Feed. Use	—	—	—	380	—	—	380
Other Oils for Petro. Feed. Use	—	—	—	119	—	—	119
Special Naphthas	—	24	24	50	—	10	60
Lubricants	676	267	943	—	—	220	220
Waxes	—	232	232	—	—	53	53
Petroleum Coke	—	—	—	787	2,056	248	3,091
Marketable	—	—	—	787	2,056	248	3,091
Catalyst	—	—	—	—	—	—	—
Asphalt and Road Oil	117	469	586	2,418	1,585	182	4,185
Miscellaneous Products	16	56	72	86	31	8	125
Total Stocks, All Oils	15,253	2,807	18,060	37,578	10,757	13,698	62,033

See footnotes at end of table.

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, January 2023
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	1,834	27,747	15,341	1,123	273	46,318	2,489	20,191	87,715
Petroleum Products	10,179	60,717	42,709	4,142	1,211	118,958	9,957	47,867	238,158
Hydrocarbon Gas Liquids	2,707	1,664	1,192	17	39	5,619	393	1,330	11,443
Natural Gas Liquids	2,305	1,088	1,048	16	39	4,496	288	1,306	9,582
Ethane	21	5	—	—	—	26	—	—	26
Propane	776	256	69	3	4	1,108	37	110	2,396
Normal Butane	1,071	581	437	9	32	2,130	145	854	4,496
Isobutane	378	194	320	4	3	899	102	340	1,976
Natural Gasoline	59	52	222	—	—	333	4	2	688
Refinery Olefins	402	576	144	1	0	1,123	105	24	1,861
Ethylene	0	0	—	—	—	0	—	—	0
Propylene	399	51	49	1	0	500	3	12	963
Normal Butylene	3	525	95	0	0	623	102	12	885
Isobutylene	0	0	0	0	0	0	0	0	13
Biofuels/Other Hydrocarbons	49	975	139	25	8	1,196	102	1,078	2,739
Biofuels (including Fuel Ethanol)	49	975	139	25	8	1,196	102	1,078	2,728
Fuel Ethanol	35	955	81	16	5	1,092	92	141	1,650
Biodiesel	14	20	58	9	3	104	10	9	150
Renewable Diesel Fuel	—	—	—	—	—	—	—	928	928
Other Biofuels ¹	—	—	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—	—	11
Unfinished Oils	2,339	23,413	13,825	1,201	596	41,374	3,082	17,279	78,112
Naphthas and Lighter	808	6,667	1,679	281	149	9,584	726	2,553	16,752
Kerosene and Light Gas Oils	359	3,933	2,077	215	197	6,781	818	3,228	13,847
Heavy Gas Oils	657	9,530	7,341	601	250	18,379	1,052	7,890	34,287
Residuum	515	3,283	2,728	104	—	6,630	486	3,608	13,226
Motor Gasoline Blending Components (MGBC)	2,723	12,635	11,840	338	188	27,724	2,640	13,637	61,803
Reformulated - RBOB	160	1,161	142	—	6	1,469	—	5,218	8,949
Conventional	2,563	11,474	11,698	338	182	26,255	2,640	8,419	52,854
CBOB	1,339	3,651	6,690	251	26	11,957	1,434	2,628	23,083
GTAB	—	—	—	—	—	—	—	—	—
Other	1,224	7,823	5,008	87	156	14,298	1,206	5,791	29,771
Aviation Gasoline Blending Components	19	—	7	—	—	26	—	—	26
Finished Motor Gasoline	131	1,587	929	52	6	2,705	949	797	5,078
Reformulated	—	—	—	—	—	—	—	18	18
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	18	18
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	131	1,587	929	52	6	2,705	949	779	5,060
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	54	—	54
Ed55 and Lower	—	—	—	—	—	—	54	—	54
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	131	1,587	929	52	6	2,705	895	779	5,006
Finished Aviation Gasoline	35	231	134	—	—	400	9	197	656
Kerosene-Type Jet Fuel	379	2,851	2,091	76	—	5,397	211	3,188	11,310
Kerosene	30	50	1	2	—	83	1	2	311
Distillate Fuel Oil	766	7,860	5,850	384	103	14,963	1,580	4,744	29,371
15 ppm sulfur and under	747	6,825	4,648	254	103	12,577	1,413	4,278	25,542
Greater than 15 ppm to 500 ppm sulfur	19	165	392	31	—	607	108	205	1,191
Greater than 500 ppm sulfur	—	870	810	99	—	1,779	59	261	2,638
Residual Fuel Oil	218	2,468	1,492	15	85	4,278	218	2,470	8,109
Less than 0.31 percent sulfur	15	—	40	—	—	55	27	20	355
0.31 to 1.00 percent sulfur	69	681	273	15	—	1,038	5	344	1,602
Greater than 1.00 percent sulfur	134	1,787	1,179	—	85	3,185	186	2,106	6,152
Petrochemical Feedstocks	42	1,558	506	4	—	2,110	—	—	2,609
Naphtha for Petro. Feed. Use	38	1,094	470	4	—	1,606	—	—	1,986
Other Oils for Petro. Feed. Use	4	464	36	—	—	504	—	—	623
Special Naphthas	86	560	—	155	—	801	—	60	945
Lubricants	53	2,557	2,575	868	—	6,053	—	820	8,036
Waxes	—	101	117	80	—	298	—	—	583
Petroleum Coke	56	1,776	1,376	—	—	3,208	131	1,179	7,609
Marketable	56	1,776	1,376	—	—	3,208	131	1,179	7,609
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	351	177	556	924	158	2,166	627	1,014	8,578
Miscellaneous Products	195	254	79	1	28	557	14	72	840
Total Stocks, All Oils	12,013	88,464	58,050	5,265	1,484	165,276	12,446	68,058	325,873

-- = Not Applicable.

- = No Data Reported.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

Table 35. Percent Yield of Petroleum Products by PAD and Refining Districts, January 2023

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	2.2	-0.6	1.9	1.3	-1.2	1.2	0.9
Finished Motor Gasoline ¹	48.5	40.4	47.6	53.9	50.3	51.6	52.8
Finished Aviation Gasoline ²	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	14.1	-	12.6	7.7	4.8	4.2	6.4
Kerosene	0.3	0.1	0.3	0.2	-	0.3	0.2
Distillate Fuel Oil ³	26.3	26.1	26.3	27.4	34.6	37.0	30.7
Residual Fuel Oil	4.1	0.4	3.7	0.9	0.9	0.5	0.8
Naphtha for Petro. Feed. Use	-	-	-	0.6	-	-	0.4
Other Oils for Petro. Feed. Use	-	-	-	0.6	-	-	0.4
Special Naphthas	-	-0.2	0.0	0.0	-	0.1	0.0
Lubricants	0.9	6.1	1.5	-	-	0.7	0.2
Waxes	-	-1.0	-0.1	-	-	0.2	0.0
Petroleum Coke	3.0	0.7	2.7	5.2	5.9	3.2	4.8
Asphalt and Road Oil	1.7	24.8	4.2	4.8	8.3	0.8	4.4
Still Gas	3.5	1.9	3.4	3.5	3.9	3.2	3.5
Miscellaneous Products	0.2	1.8	0.4	0.5	0.7	0.2	0.4
Processing Gain(-) or Loss(+) ⁴	-4.8	-0.6	-4.4	-6.2	-8.1	-3.1	-5.8

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	1.1	3.6	4.5	-0.6	-1.0	3.6	-0.1	-0.3	2.3
Finished Motor Gasoline ¹	56.1	44.8	45.0	30.1	64.3	45.4	48.1	50.3	48.0
Finished Aviation Gasoline ²	0.2	0.0	0.1	-	-	0.1	0.0	-	0.0
Kerosene-Type Jet Fuel	8.2	11.0	10.0	1.8	-	10.1	3.9	19.7	10.4
Kerosene	0.0	0.2	0.0	0.5	-	0.1	-	0.0	0.1
Distillate Fuel Oil ³	29.2	30.9	33.1	35.9	32.2	31.8	36.6	20.6	29.9
Residual Fuel Oil	1.5	1.7	1.2	0.3	-1.4	1.4	2.0	3.5	1.7
Naphtha for Petro. Feed. Use	0.5	1.8	1.4	-	-	1.5	-	-	0.9
Other Oils for Petro. Feed. Use	0.0	0.9	0.7	-	-	0.7	-	-	0.5
Special Naphthas	0.3	0.5	-	3.0	-	0.3	-	0.1	0.2
Lubricants	0.1	1.3	1.4	10.3	-	1.5	-	0.7	1.0
Waxes	-	0.0	0.0	0.2	-	0.0	-	-	0.0
Petroleum Coke	1.8	5.8	5.4	2.5	0.9	5.2	4.9	5.6	5.1
Asphalt and Road Oil	0.9	0.1	0.6	14.6	2.8	0.8	4.9	1.1	2.0
Still Gas	3.6	4.2	3.5	3.9	3.5	3.9	4.3	5.5	4.0
Miscellaneous Products	0.8	0.7	0.5	0.3	2.1	0.6	0.8	0.6	0.6
Processing Gain(-) or Loss(+) ⁴	-4.3	-7.4	-7.4	-2.5	-3.4	-7.0	-5.4	-7.5	-6.6

- = No Data Reported.

¹ Based on net production of finished motor gasoline minus input of natural gas liquids, fuel ethanol, and net input of motor gasoline blending components.

² Based on finished aviation gasoline net production minus net input of aviation gasoline blending components.

³ Based on distillate fuel oil net production minus input of biodiesel, renewable diesel fuel, and other biofuels.

⁴ Represents the arithmetic difference between input and production.

Note: Percent yield is calculated as net production (or adjusted net production) divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Calculated from data on Tables 30 and 31.

Table 36. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, January 2023
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil			
	Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
PAD District 1	—	579	2,192	2,771
Connecticut	—	—	—	—
Delaware	—	—	—	—
Florida	—	127	911	1,038
Georgia	—	60	—	60
Maine	—	—	—	—
Maryland	—	—	61	61
Massachusetts	—	—	—	—
New Hampshire	—	—	—	—
New Jersey	—	298	1,180	1,478
New York	—	—	—	—
North Carolina	—	—	—	—
Pennsylvania	—	—	40	40
Rhode Island	—	—	—	—
South Carolina	—	94	—	94
Vermont	—	—	—	—
Virginia	—	—	—	—
West Virginia	—	—	—	—
PAD District 2	—	7	119	126
Illinois	—	—	—	—
Indiana	—	—	—	—
Michigan	—	—	95	95
Minnesota	—	2	—	2
North Dakota	—	5	24	29
Ohio	—	—	—	—
Wisconsin	—	—	—	—
PAD District 3	65	368	1,471	1,904
Alabama	—	—	—	—
Louisiana	65	368	—	433
Mississippi	—	—	306	306
New Mexico	—	—	—	—
Texas	—	—	1,165	1,165
PAD District 4	—	—	—	—
Idaho	—	—	—	—
Montana	—	—	—	—
PAD District 5	240	76	—	316
Alaska	—	—	—	—
California	240	—	—	240
Hawaii	—	—	—	—
Oregon	—	—	—	—
Washington	—	76	—	76
U.S. Total	305	1,030	3,782	5,117

— = No Data Reported.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 37. Imports of Crude Oil and Petroleum Products by PAD District, January 2023
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	17,036	87,704	45,382	9,022	35,455	194,599	6,277
Hydrocarbon Gas Liquids	1,722	2,435	—	1,060	1,817	7,034	227
Natural Gas Liquids	1,427	2,202	—	1,059	1,817	6,505	210
Ethane	—	—	—	—	—	—	—
Propane	1,375	1,421	—	968	1,322	5,086	164
Normal Butane	47	601	—	89	495	1,232	40
Isobutane	5	178	—	—	—	183	6
Natural Gasoline	—	2	—	2	—	4	0
Refinery Olefins	295	233	—	1	—	529	17
Ethylene	—	—	—	—	—	—	—
Propylene	295	193	—	1	—	489	16
Normal Butylene	—	40	—	—	—	40	1
Isobutylene	—	—	—	—	—	—	—
Other Liquids	15,086	870	14,150	163	2,823	33,092	1,067
Hydrogen/Biofuels/Other Hydrocarbons	561	90	178	12	737	1,578	51
Hydrogen	—	—	—	—	—	—	—
Biofuels (including Fuel Ethanol)	561	90	163	12	737	1,563	50
Fuel Ethanol	—	—	—	—	—	—	—
Biodiesel	561	90	163	12	104	930	30
Renewable Diesel Fuel	—	—	—	—	633	633	20
Other Biofuels ³	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	15	—	—	15	0
Unfinished Oils ¹	1,730	—	12,944	—	1,629	16,303	526
Naphthas and Lighter	350	—	317	—	—	667	22
Kerosene and Lighter Gas Oils	—	—	—	—	—	—	—
Heavy Gas Oils	1,080	—	6,510	—	1,375	8,965	289
Residuum	300	—	6,117	—	254	6,671	215
Motor Gasoline Blend.Comp. (MGBC)	12,795	780	1,028	151	457	15,211	491
Reformulated - RBOB	4,432	—	—	—	—	4,432	143
Conventional	8,363	780	1,028	151	457	10,779	348
CBOB	1,572	132	—	—	—	1,704	55
GTAB	1,968	—	—	—	—	1,968	63
Other	4,823	648	1,028	151	457	7,107	229
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	16,255	1,650	4,330	70	3,442	25,747	831
Finished Motor Gasoline	3,220	—	—	—	131	3,351	108
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	3,220	—	—	—	131	3,351	108
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	3,220	—	—	—	131	3,351	108
Finished Aviation Gasoline	—	3	—	—	1	4	0
Kerosene-Type Jet Fuel	1,054	—	—	10	2,513	3,577	115
Bonded Aircraft Fuel	—	—	—	—	594	594	19
Other	1,054	—	—	10	1,919	2,983	96
Kerosene	504	—	—	—	—	504	16
Distillate Fuel Oil	7,567	451	300	—	174	8,492	274
15 ppm sulfur and under	7,436	447	300	—	174	8,357	270
Bonded	—	—	—	—	—	—	—
Other	7,436	447	300	—	174	8,357	270
Greater than 15 ppm to 500 ppm sulfur	—	3	—	—	—	3	0
Bonded	—	—	—	—	—	—	—
Other	—	3	—	—	—	3	0
Greater than 500 ppm to 2000 ppm sulfur	131	1	—	—	—	132	4
Bonded	—	—	—	—	—	—	—
Other	131	1	—	—	—	132	4
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	2,771	126	1,904	—	316	5,117	165
Less than 0.31 percent sulfur	—	—	65	—	240	305	10
0.31 to 1.00 percent sulfur	579	7	368	—	76	1,030	33
Greater than 1.00 percent sulfur	2,192	119	1,471	—	—	3,782	122
Petrochemical Feedstocks	94	183	167	—	38	482	16
Naphtha for Petro. Feed. Use	93	105	55	—	38	291	9
Other Oils for Petro. Feed. Use	1	78	112	—	—	191	6
Special Naphthas	3	3	567	1	37	611	20
Lubricants	95	217	908	—	5	1,225	40
Waxes	95	15	8	—	13	131	4
Petroleum Coke (Marketable)	—	14	476	—	—	490	16
Asphalt and Road Oil	852	638	—	59	214	1,763	57
Miscellaneous Products	—	—	—	—	—	—	—
Total	50,099	92,659	63,862	10,315	43,537	260,472	8,402

-- = Not Applicable.

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 38. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January-January 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	17,036	87,704	45,382	9,022	35,455	194,599	6,277
Hydrocarbon Gas Liquids	1,722	2,435	–	1,060	1,817	7,034	227
Natural Gas Liquids	1,427	2,202	–	1,059	1,817	6,505	210
Ethane	–	–	–	–	–	–	–
Propane	1,375	1,421	–	968	1,322	5,086	164
Normal Butane	47	601	–	89	495	1,232	40
Isobutane	5	178	–	–	–	183	6
Natural Gasoline	–	2	–	2	–	4	0
Refinery Olefins	295	233	–	1	–	529	17
Ethylene	–	–	–	–	–	–	–
Propylene	295	193	–	1	–	489	16
Normal Butylene	–	40	–	–	–	40	1
Isobutylene	–	–	–	–	–	–	–
Other Liquids	15,086	870	14,150	163	2,823	33,092	1,067
Hydrogen/Biofuels/Other Hydrocarbons	561	90	178	12	737	1,578	51
Hydrogen	–	–	–	–	–	–	–
Biofuels (including Fuel Ethanol)	561	90	163	12	737	1,563	50
Fuel Ethanol	–	–	–	–	–	–	–
Biodiesel	561	90	163	12	104	930	30
Renewable Diesel Fuel	–	–	–	–	633	633	20
Other Biofuels ³	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	15	–	–	15	0
Unfinished Oils ¹	1,730	–	12,944	–	1,629	16,303	526
Naphthas and Lighter	350	–	317	–	–	667	22
Kerosene and Lighter Gas Oils	–	–	–	–	–	–	–
Heavy Gas Oils	1,080	–	6,510	–	1,375	8,965	289
Residuum	300	–	6,117	–	254	6,671	215
Motor Gasoline Blend.Comp. (MGBC)	12,795	780	1,028	151	457	15,211	491
Reformulated - RBOB	4,432	–	–	–	–	4,432	143
Conventional	8,363	780	1,028	151	457	10,779	348
CBOB	1,572	132	–	–	–	1,704	55
GTAB	1,968	–	–	–	–	1,968	63
Other	4,823	648	1,028	151	457	7,107	229
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	16,255	1,650	4,330	70	3,442	25,747	831
Finished Motor Gasoline	3,220	–	–	–	131	3,351	108
Reformulated	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–
Conventional	3,220	–	–	–	131	3,351	108
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–
Conventional Other	3,220	–	–	–	131	3,351	108
Finished Aviation Gasoline	–	3	–	–	1	4	0
Kerosene-Type Jet Fuel	1,054	–	–	10	2,513	3,577	115
Bonded Aircraft Fuel	–	–	–	–	594	594	19
Other	1,054	–	–	10	1,919	2,983	96
Kerosene	504	–	–	–	–	504	16
Distillate Fuel Oil	7,567	451	300	–	174	8,492	274
15 ppm sulfur and under	7,436	447	300	–	174	8,357	270
Bonded	–	–	–	–	–	–	–
Other	7,436	447	300	–	174	8,357	270
Greater than 15 ppm to 500 ppm sulfur	–	3	–	–	–	3	0
Bonded	–	–	–	–	–	–	–
Other	–	3	–	–	–	3	0
Greater than 500 ppm to 2000 ppm sulfur	131	1	–	–	–	132	4
Bonded	–	–	–	–	–	–	–
Other	131	1	–	–	–	132	4
Greater than 2000 ppm	–	–	–	–	–	–	–
Bonded	–	–	–	–	–	–	–
Other	–	–	–	–	–	–	–
Residual Fuel Oil	2,771	126	1,904	–	316	5,117	165
Less than 0.31 percent sulfur	–	–	65	–	240	305	10
0.31 to 1.00 percent sulfur	579	7	368	–	76	1,030	33
Greater than 1.00 percent sulfur	2,192	119	1,471	–	–	3,782	122
Petrochemical Feedstocks	94	183	167	–	38	482	16
Naphtha for Petro. Feed. Use	93	105	55	–	38	291	9
Other Oils for Petro. Feed. Use	1	78	112	–	–	191	6
Special Naphthas	3	3	567	1	37	611	20
Lubricants	95	217	908	–	5	1,225	40
Waxes	95	15	8	–	13	131	4
Petroleum Coke (Marketable)	–	14	476	–	–	490	16
Asphalt and Road Oil	852	638	–	59	214	1,763	57
Miscellaneous Products	–	–	–	–	–	–	–
Total	50,099	92,659	63,862	10,315	43,537	260,472	8,402

-- = Not Applicable.

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January 2023
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	30,851	257	-	6,246	-	-	-	-	316	316
Algeria	631	-	-	610	-	-	-	-	-	-
Angola	3	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	257	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	7,823	-	-	3,351	-	-	-	-	-	-
Kuwait	365	-	-	-	-	-	-	-	-	-
Libya	1,860	-	-	-	-	-	-	-	-	-
Nigeria	5,693	-	-	-	-	-	-	-	316	316
Saudi Arabia	13,235	-	-	1,915	-	-	-	-	-	-
United Arab Emirates	-	-	-	370	-	-	-	-	-	-
Venezuela	1,241	-	-	-	-	-	-	-	-	-
Non-OPEC	163,748	6,248	529	10,057	-	3,351	3,351	4,432	10,463	14,895
Argentina	1,963	-	-	-	-	-	-	-	507	507
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	1,870	1,870	100	324	424
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	674	-	-	-	-	340	340
Brazil	3,129	-	-	543	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	617	-	-	-	-	-	-	-	-	-
Canada	120,118	6,168	529	-	-	312	312	2,305	2,247	4,552
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	5,216	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	4,322	-	-	1,035	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	328	328
France	-	-	-	-	-	460	460	294	188	482
Germany	-	-	-	-	-	-	-	-	21	21
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	765	-	39	39	-	1,265	1,265
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	480	-	-	-	143	2,151	2,294
Korea, South	-	-	-	-	-	107	107	-	187	187
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	22,179	-	-	3,926	-	-	-	-	-	-
Netherlands	-	-	-	362	-	-	-	643	546	1,189
Norway	1	-	-	-	-	316	316	-	644	644
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	890	890
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	317	-	-	-	-	601	601
Sweden	-	-	-	199	-	247	247	-	50	50
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	891	80	-	-	-	-	-	-	-	-
United Kingdom	1,705	-	-	708	-	-	-	947	51	998
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	3,607	0	0	1,048	-	0	0	0	123	123
Total	194,599	6,505	529	16,303	-	3,351	3,351	4,432	10,779	15,211
Persian Gulf⁴	21,423	-	-	5,636	-	-	-	-	-	-

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	-	-	-	-	53	-	-	-	53	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	53	-	-	-	53	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	930	633	-	8,304	3	132	-	8,439	504	4
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	70	-	-	-	70	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	252	-	-	5,122	3	1	-	5,126	-	4
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	430	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	1,836	-	-	-	1,836	504	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	69	-	-	-	-	-	-	-	-	-
Korea, South	-	30	-	-	40	-	-	-	40	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	300	-	-	-	300	-	-
Netherlands	-	-	-	-	55	-	117	-	172	-	-
Norway	-	-	-	-	-	-	14	-	14	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	780	-	-	-	780	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	149	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	633	-	101	0	0	-	101	0	0
Total	-	930	633	-	8,357	3	132	-	8,492	504	4
Persian Gulf⁴	-	-	-	-	833	-	-	-	833	-	-

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	—	661	—	—	117	567	684	—	—
Algeria	—	—	—	—	29	—	29	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	88	—	88	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	4	—	—	—	298	298	—	—
Kuwait	—	583	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	269	269	—	—
United Arab Emirates	—	74	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	2,916	611	305	913	3,215	4,433	291	191
Argentina	—	—	—	—	—	—	—	—	19
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	2	—	2	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	248	—	248	—	—
Brazil	—	—	—	—	—	222	222	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	171	94	65	83	283	431	107	79
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	831	831	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	110	—	110	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	19	—	19	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	14	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	237	—	240	—	—	240	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	91	—
Korea, South	—	2,160	412	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	13	—	—	—	6	6	—	—
Mexico	—	5	—	—	8	1,212	1,220	55	93
Netherlands	—	—	76	—	19	—	19	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	12	—	12	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	330	15	0	412	661	1,073	38	0
Total	—	3,577	611	305	1,030	3,782	5,117	291	191
Persian Gulf¹	—	661	—	—	—	567	567	—	—

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	—	—	—	224	—	8,441	39,292	995	272	1,267
Algeria	—	—	—	—	—	639	1,270	20	21	41
Angola	—	—	—	—	—	—	3	0	—	0
Congo (Brazzaville)	—	—	—	—	—	88	88	—	3	3
Equatorial Guinea	—	—	—	—	—	257	257	—	8	8
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	3,653	11,476	252	118	370
Kuwait	—	—	—	—	—	583	948	12	19	31
Libya	—	—	—	—	—	—	1,860	60	—	60
Nigeria	—	—	—	—	—	316	6,009	184	10	194
Saudi Arabia	—	—	—	—	—	2,184	15,419	427	70	497
United Arab Emirates	—	—	—	224	—	721	721	—	23	23
Venezuela	—	—	—	—	—	—	1,241	40	—	40
Non-OPEC	131	490	1,763	1,001	—	57,432	221,180	5,282	1,853	7,135
Argentina	—	140	—	4	—	670	2,633	63	22	85
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	2,296	2,296	—	74	74
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	3	—	1,335	1,335	—	43	43
Brazil	—	—	—	—	—	765	3,894	101	25	126
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	617	20	—	20
Canada	107	14	1,583	301	—	19,830	139,948	3,875	640	4,514
Chad	—	—	—	—	—	—	—	—	—	—
China	2	—	—	—	—	2	2	—	0	0
Colombia	—	196	72	—	—	1,099	6,315	168	35	204
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	1,145	5,467	139	37	176
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	347	347	—	11	11
France	—	—	—	7	—	949	949	—	31	31
Germany	—	—	—	10	—	475	475	—	15	15
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	4,886	4,886	—	158	158
Indonesia	—	—	—	57	—	57	57	—	2	2
Italy	—	—	—	7	—	2,941	2,941	—	95	95
Korea, South	1	—	—	213	—	3,150	3,150	—	102	102
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	8	—	—	—	—	27	27	—	1	1
Mexico	—	—	—	—	—	5,599	27,778	715	181	896
Netherlands	—	140	—	90	—	2,048	2,048	—	66	66
Norway	—	—	—	—	—	974	975	0	31	31
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	890	890	—	29	29
Qatar	—	—	—	307	—	1,087	1,087	—	35	35
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	108	—	—	1,175	1,175	—	38	38
Sweden	—	—	—	1	—	497	497	—	16	16
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	80	971	29	3	31
United Kingdom	—	—	—	—	—	1,718	3,423	55	55	110
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	13	0	0	1	—	3,390	6,997	117	108	226
Total	131	490	1,763	1,225	—	65,873	260,472	6,277	2,125	8,402
Persian Gulf⁴	—	—	—	531	—	8,228	29,651	691	265	956

-- = Not Applicable.

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-January 2023
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	30,851	257	-	6,246	-	-	-	-	316	316
Algeria	631	-	-	610	-	-	-	-	-	-
Angola	3	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	257	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	7,823	-	-	3,351	-	-	-	-	-	-
Kuwait	365	-	-	-	-	-	-	-	-	-
Libya	1,860	-	-	-	-	-	-	-	-	-
Nigeria	5,693	-	-	-	-	-	-	-	316	316
Saudi Arabia	13,235	-	-	1,915	-	-	-	-	-	-
United Arab Emirates	-	-	-	370	-	-	-	-	-	-
Venezuela	1,241	-	-	-	-	-	-	-	-	-
Non-OPEC	163,748	6,248	529	10,057	-	3,351	3,351	4,432	10,463	14,895
Argentina	1,963	-	-	-	-	-	-	-	507	507
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	1,870	1,870	100	324	424
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	674	-	-	-	-	340	340
Brazil	3,129	-	-	543	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	617	-	-	-	-	-	-	-	-	-
Canada	120,118	6,168	529	-	-	312	312	2,305	2,247	4,552
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	5,216	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	4,322	-	-	1,035	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	328	328
France	-	-	-	-	-	460	460	294	188	482
Germany	-	-	-	-	-	-	-	-	21	21
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	765	-	39	39	-	1,265	1,265
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	480	-	-	-	143	2,151	2,294
Korea, South	-	-	-	-	-	107	107	-	187	187
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	22,179	-	-	3,926	-	-	-	-	-	-
Netherlands	-	-	-	362	-	-	-	643	546	1,189
Norway	1	-	-	-	-	316	316	-	644	644
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	890	890
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	317	-	-	-	-	601	601
Sweden	-	-	-	199	-	247	247	-	50	50
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	891	80	-	-	-	-	-	-	-	-
United Kingdom	1,705	-	-	708	-	-	-	947	51	998
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	3,607	0	0	1,048	-	0	0	0	123	123
Total	194,599	6,505	529	16,303	-	3,351	3,351	4,432	10,779	15,211
Persian Gulf⁴	21,423	-	-	5,636	-	-	-	-	-	-

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-January 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	-	-	-	-	53	-	-	-	53	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	53	-	-	-	53	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	930	633	-	8,304	3	132	-	8,439	504	4
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	70	-	-	-	70	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	252	-	-	5,122	3	1	-	5,126	-	4
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	430	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	1,836	-	-	-	1,836	504	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	69	-	-	-	-	-	-	-	-	-
Korea, South	-	30	-	-	40	-	-	-	40	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	300	-	-	-	300	-	-
Netherlands	-	-	-	-	55	-	117	-	172	-	-
Norway	-	-	-	-	-	-	14	-	14	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	780	-	-	-	780	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	149	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	633	-	101	0	0	-	101	0	0
Total	-	930	633	-	8,357	3	132	-	8,492	504	4
Persian Gulf⁴	-	-	-	-	833	-	-	-	833	-	-

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-January 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	—	661	—	—	117	567	684	—	—
Algeria	—	—	—	—	29	—	29	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	88	—	88	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	4	—	—	—	298	298	—	—
Kuwait	—	583	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	269	269	—	—
United Arab Emirates	—	74	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	2,916	611	305	913	3,215	4,433	291	191
Argentina	—	—	—	—	—	—	—	—	19
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	2	—	2	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	248	—	248	—	—
Brazil	—	—	—	—	—	222	222	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	171	94	65	83	283	431	107	79
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	831	831	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	110	—	110	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	19	—	19	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	14	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	237	—	240	—	—	240	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	91	—
Korea, South	—	2,160	412	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	13	—	—	—	6	6	—	—
Mexico	—	5	—	—	8	1,212	1,220	55	93
Netherlands	—	—	76	—	19	—	19	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	12	—	12	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	330	15	0	412	661	1,073	38	0
Total	—	3,577	611	305	1,030	3,782	5,117	291	191
Persian Gulf¹	—	661	—	—	—	567	567	—	—

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-January 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	—	—	—	224	—	8,441	39,292	995	272	1,267
Algeria	—	—	—	—	—	639	1,270	20	21	41
Angola	—	—	—	—	—	—	3	0	—	0
Congo (Brazzaville)	—	—	—	—	—	88	88	—	3	3
Equatorial Guinea	—	—	—	—	—	257	257	—	8	8
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	3,653	11,476	252	118	370
Kuwait	—	—	—	—	—	583	948	12	19	31
Libya	—	—	—	—	—	—	1,860	60	—	60
Nigeria	—	—	—	—	—	316	6,009	184	10	194
Saudi Arabia	—	—	—	—	—	2,184	15,419	427	70	497
United Arab Emirates	—	—	—	224	—	721	721	—	23	23
Venezuela	—	—	—	—	—	—	1,241	40	—	40
Non-OPEC	131	490	1,763	1,001	—	57,432	221,180	5,282	1,853	7,135
Argentina	—	140	—	4	—	670	2,633	63	22	85
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	2,296	2,296	—	74	74
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	3	—	1,335	1,335	—	43	43
Brazil	—	—	—	—	—	765	3,894	101	25	126
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	617	20	—	20
Canada	107	14	1,583	301	—	19,830	139,948	3,875	640	4,514
Chad	—	—	—	—	—	—	—	—	—	—
China	2	—	—	—	—	2	2	—	0	0
Colombia	—	196	72	—	—	1,099	6,315	168	35	204
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	1,145	5,467	139	37	176
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	347	347	—	11	11
France	—	—	—	7	—	949	949	—	31	31
Germany	—	—	—	10	—	475	475	—	15	15
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	4,886	4,886	—	158	158
Indonesia	—	—	—	57	—	57	57	—	2	2
Italy	—	—	—	7	—	2,941	2,941	—	95	95
Korea, South	1	—	—	213	—	3,150	3,150	—	102	102
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	8	—	—	—	—	27	27	—	1	1
Mexico	—	—	—	—	—	5,599	27,778	715	181	896
Netherlands	—	140	—	90	—	2,048	2,048	—	66	66
Norway	—	—	—	—	—	974	975	0	31	31
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	890	890	—	29	29
Qatar	—	—	—	307	—	1,087	1,087	—	35	35
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	108	—	—	1,175	1,175	—	38	38
Sweden	—	—	—	1	—	497	497	—	16	16
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	80	971	29	3	31
United Kingdom	—	—	—	—	—	1,718	3,423	55	55	110
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	13	0	0	1	—	3,390	6,997	117	108	226
Total	131	490	1,763	1,225	—	65,873	260,472	6,277	2,125	8,402
Persian Gulf⁴	—	—	—	531	—	8,228	29,651	691	265	956

— = Not Applicable.
 - = No Data Reported.
¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.
² Includes crude oil imported for storage in the Strategic Petroleum Reserve.
³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.
 Note: Totals may not equal sum of components due to independent rounding.
 Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2023
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	9,268	257	-	-	-	-	-	-	316	316
Algeria	631	-	-	-	-	-	-	-	-	-
Angola	3	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	257	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	824	-	-	-	-	-	-	-	-	-
Nigeria	5,693	-	-	-	-	-	-	-	316	316
Saudi Arabia	2,117	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	7,768	1,170	295	1,730	-	3,220	3,220	4,432	8,047	12,479
Argentina	483	-	-	-	-	-	-	-	486	486
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	1,870	1,870	100	324	424
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	3,477	1,170	295	-	-	288	288	2,305	1,316	3,621
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	328	328
France	-	-	-	-	-	460	460	294	188	482
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	39	39	-	518	518
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	205	-	-	-	143	2,151	2,294
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	1,989	-	-	1,080	-	-	-	-	-	-
Netherlands	-	-	-	52	-	-	-	643	508	1,151
Norway	1	-	-	-	-	316	316	-	644	644
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	890	890
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	601	601
Sweden	-	-	-	-	-	247	247	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	1,198	-	-	300	-	-	-	947	-	947
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	620	0	0	93	-	0	0	0	93	93
Total	17,036	1,427	295	1,730	-	3,220	3,220	4,432	8,363	12,795
Persian Gulf⁴	2,117	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	-	-	-	-	53	-	-	-	53	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	53	-	-	-	53	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	561	-	-	7,383	-	131	-	7,514	504	-
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	70	-	-	-	70	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	76	-	-	4,541	-	-	-	4,541	-	-
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	359	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	1,836	-	-	-	1,836	504	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	69	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	55	-	117	-	172	-	-
Norway	-	-	-	-	-	-	14	-	14	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	780	-	-	-	780	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	57	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	101	-	0	-	101	0	-
Total	-	561	-	-	7,436	-	131	-	7,567	504	-
Persian Gulf⁴	-	-	-	-	833	-	-	-	833	-	-

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	—	661	—	—	117	448	565	—	—
Algeria	—	—	—	—	29	—	29	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	88	—	88	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	4	—	—	—	179	179	—	—
Kuwait	—	583	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	269	269	—	—
United Arab Emirates	—	74	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	393	3	—	462	1,744	2,206	93	1
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	2	—	2	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	248	—	248	—	—
Brazil	—	—	—	—	—	88	88	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	138	3	—	—	137	137	2	1
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	831	831	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	110	—	110	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	19	—	19	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	237	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	91	—
Korea, South	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	13	—	—	—	—	—	—	—
Mexico	—	5	—	—	8	27	35	—	—
Netherlands	—	—	—	—	19	—	19	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	12	—	12	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	0	—	44	661	705	0	0
Total	—	1,054	3	—	579	2,192	2,771	93	1
Persian Gulf¹	—	661	—	—	—	448	448	—	—

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	—	—	—	—	—	1,852	11,120	299	60	359
Algeria	—	—	—	—	—	29	660	20	1	21
Angola	—	—	—	—	—	—	3	0	—	0
Congo (Brazzaville)	—	—	—	—	—	88	88	—	3	3
Equatorial Guinea	—	—	—	—	—	257	257	—	8	8
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	183	183	—	6	6
Kuwait	—	—	—	—	—	583	583	—	19	19
Libya	—	—	—	—	—	—	824	27	—	27
Nigeria	—	—	—	—	—	316	6,009	184	10	194
Saudi Arabia	—	—	—	—	—	269	2,386	68	9	77
United Arab Emirates	—	—	—	—	—	127	127	—	4	4
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	95	—	852	95	—	31,211	38,979	251	1,007	1,257
Argentina	—	—	—	—	—	486	969	16	16	31
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	2,296	2,296	—	74	74
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	1	—	319	319	—	10	10
Brazil	—	—	—	—	—	88	88	—	3	3
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	92	—	780	79	—	11,223	14,700	112	362	474
Chad	—	—	—	—	—	—	—	—	—	—
China	2	—	—	—	—	2	2	—	0	0
Colombia	—	—	72	—	—	903	903	—	29	29
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	110	110	—	4	4
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	347	347	—	11	11
France	—	—	—	4	—	946	946	—	31	31
Germany	—	—	—	9	—	368	368	—	12	12
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	3,134	3,134	—	101	101
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	1	—	2,660	2,660	—	86	86
Korea, South	1	—	—	—	—	1	1	—	0	0
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	13	13	—	0	0
Mexico	—	—	—	—	—	1,120	3,109	64	36	100
Netherlands	—	—	—	—	—	1,394	1,394	—	45	45
Norway	—	—	—	—	—	974	975	0	31	31
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	890	890	—	29	29
Qatar	—	—	—	—	—	780	780	—	25	25
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	658	658	—	21	21
Sweden	—	—	—	1	—	248	248	—	8	8
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	1,259	2,457	39	41	79
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	0	—	0	0	—	992	1,612	20	32	53
Total	95	—	852	95	—	33,063	50,099	550	1,067	1,616
Persian Gulf⁴	—	—	—	—	—	1,942	4,059	68	63	131

-- = Not Applicable.

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2023
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	87,704	2,202	233	-	-	-	-	-	780	780
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	87,704	2,202	233	-	-	-	-	-	780	780
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	-	-	-	-	-	0	0
Total	87,704	2,202	233	-	-	-	-	-	780	780
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	90	-	-	447	3	1	-	451	-	3
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	90	-	-	447	3	1	-	451	-	3
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	0	0	0	-	0	-	0
Total	-	90	-	-	447	3	1	-	451	-	3
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	3	-	7	119	126	105	78
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	-	3	-	7	119	126	105	78
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	-	0	-	0	0	0	0	0
Total	-	-	3	-	7	119	126	105	78
Persian Gulf¹	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	--	--	--	--	--	--	--	--	--	--
Algeria	--	--	--	--	--	--	--	--	--	--
Angola	--	--	--	--	--	--	--	--	--	--
Congo (Brazzaville)	--	--	--	--	--	--	--	--	--	--
Equatorial Guinea	--	--	--	--	--	--	--	--	--	--
Gabon	--	--	--	--	--	--	--	--	--	--
Iran	--	--	--	--	--	--	--	--	--	--
Iraq	--	--	--	--	--	--	--	--	--	--
Kuwait	--	--	--	--	--	--	--	--	--	--
Libya	--	--	--	--	--	--	--	--	--	--
Nigeria	--	--	--	--	--	--	--	--	--	--
Saudi Arabia	--	--	--	--	--	--	--	--	--	--
United Arab Emirates	--	--	--	--	--	--	--	--	--	--
Venezuela	--	--	--	--	--	--	--	--	--	--
Non-OPEC	15	14	638	217	--	4,955	92,659	2,829	160	2,989
Argentina	--	--	--	--	--	--	--	--	--	--
Aruba	--	--	--	--	--	--	--	--	--	--
Australia	--	--	--	--	--	--	--	--	--	--
Bahamas	--	--	--	--	--	--	--	--	--	--
Bahrain	--	--	--	--	--	--	--	--	--	--
Belgium	--	--	--	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--	--	--	--
Brunei	--	--	--	--	--	--	--	--	--	--
Cameroon	--	--	--	--	--	--	--	--	--	--
Canada	15	14	638	217	--	4,955	92,659	2,829	160	2,989
Chad	--	--	--	--	--	--	--	--	--	--
China	--	--	--	--	--	--	--	--	--	--
Colombia	--	--	--	--	--	--	--	--	--	--
Denmark	--	--	--	--	--	--	--	--	--	--
Ecuador	--	--	--	--	--	--	--	--	--	--
Egypt	--	--	--	--	--	--	--	--	--	--
Estonia	--	--	--	--	--	--	--	--	--	--
Finland	--	--	--	--	--	--	--	--	--	--
France	--	--	--	--	--	--	--	--	--	--
Germany	--	--	--	--	--	--	--	--	--	--
Guatemala	--	--	--	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--	--	--	--
Indonesia	--	--	--	--	--	--	--	--	--	--
Italy	--	--	--	--	--	--	--	--	--	--
Korea, South	--	--	--	--	--	--	--	--	--	--
Latvia	--	--	--	--	--	--	--	--	--	--
Lithuania	--	--	--	--	--	--	--	--	--	--
Malaysia	--	--	--	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	--	--	--	--
Netherlands	--	--	--	--	--	--	--	--	--	--
Norway	--	--	--	--	--	--	--	--	--	--
Oman	--	--	--	--	--	--	--	--	--	--
Portugal	--	--	--	--	--	--	--	--	--	--
Qatar	--	--	--	--	--	--	--	--	--	--
Russia	--	--	--	--	--	--	--	--	--	--
Spain	--	--	--	--	--	--	--	--	--	--
Sweden	--	--	--	--	--	--	--	--	--	--
Syria	--	--	--	--	--	--	--	--	--	--
Trinidad and Tobago	--	--	--	--	--	--	--	--	--	--
United Kingdom	--	--	--	--	--	--	--	--	--	--
Vietnam	--	--	--	--	--	--	--	--	--	--
Virgin Islands, U.S.	--	--	--	--	--	--	--	--	--	--
Yemen	--	--	--	--	--	--	--	--	--	--
Other	0	0	0	0	--	0	0	0	0	0
Total	15	14	638	217	--	4,955	92,659	2,829	160	2,989
Persian Gulf⁴	--	--	--	--	--	--	--	--	--	--

-- = Not Applicable.

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2023
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	8,038	-	-	5,382	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	970	-	-	3,351	-	-	-	-	-	-
Kuwait	365	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	5,462	-	-	1,661	-	-	-	-	-	-
United Arab Emirates	-	-	-	370	-	-	-	-	-	-
Venezuela	1,241	-	-	-	-	-	-	-	-	-
Non-OPEC	37,344	-	-	7,562	-	-	-	-	1,028	1,028
Argentina	-	-	-	-	-	-	-	-	21	21
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	674	-	-	-	-	-	-
Brazil	-	-	-	543	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	617	-	-	-	-	-	-	-	-	-
Canada	10,912	-	-	-	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	4,227	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	1,035	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	747	747
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	275	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	187	187
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	20,190	-	-	2,846	-	-	-	-	-	-
Netherlands	-	-	-	310	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	317	-	-	-	-	-	-
Sweden	-	-	-	199	-	-	-	-	50	50
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	891	-	-	-	-	-	-	-	-	-
United Kingdom	507	-	-	408	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	-	-	955	-	-	-	-	23	23
Total	45,382	-	-	12,944	-	-	-	-	1,028	1,028
Persian Gulf⁴	6,797	-	-	5,382	-	-	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline	
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total			
OPEC	-	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	163	-	-	300	-	-	-	-	300	-	-
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	71	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	300	-	-	-	-	300	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-	-
Spain	-	92	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	0	-	-	-	-	0	-	-
Total	-	163	-	-	300	-	-	-	-	300	-	-
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	-	-	-	-	-	119	119	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	119	119	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	567	65	368	1,352	1,785	55	112
Argentina	-	-	-	-	-	-	-	-	19
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	134	134	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	-	50	65	-	27	92	-	-
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	14	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	412	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	6	6	-	-
Mexico	-	-	-	-	-	1,185	1,185	55	93
Netherlands	-	-	76	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	-	15	0	368	0	368	0	0
Total	-	-	567	65	368	1,471	1,904	55	112
Persian Gulf¹	-	-	-	-	-	119	119	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	—	—	—	224	—	5,725	13,763	259	185	444
Algeria	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	3,470	4,440	31	112	143
Kuwait	—	—	—	—	—	—	365	12	—	12
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	1,661	7,123	176	54	230
United Arab Emirates	—	—	—	224	—	594	594	—	19	19
Venezuela	—	—	—	—	—	—	1,241	40	—	40
Non-OPEC	8	476	—	684	—	12,755	50,099	1,205	411	1,616
Argentina	—	140	—	4	—	184	184	—	6	6
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	2	—	676	676	—	22	22
Brazil	—	—	—	—	—	677	677	—	22	22
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	617	20	—	20
Canada	—	—	—	—	—	142	11,054	352	5	357
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	—	196	—	—	—	196	4,423	136	6	143
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	1,035	1,035	—	33	33
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—
France	—	—	—	3	—	3	3	—	0	0
Germany	—	—	—	1	—	86	86	—	3	3
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	747	747	—	24	24
Indonesia	—	—	—	57	—	57	57	—	2	2
Italy	—	—	—	6	—	281	281	—	9	9
Korea, South	—	—	—	213	—	812	812	—	26	26
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	8	—	—	—	—	14	14	—	0	0
Mexico	—	—	—	—	—	4,479	24,669	651	144	796
Netherlands	—	140	—	90	—	616	616	—	20	20
Norway	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	307	—	307	307	—	10	10
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	409	409	—	13	13
Sweden	—	—	—	—	—	249	249	—	8	8
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	891	29	—	29
United Kingdom	—	—	—	—	—	408	915	16	13	30
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	0	0	—	1	—	1,377	1,377	1	45	43
Total	8	476	—	908	—	18,480	63,862	1,464	596	2,060
Persian Gulf⁴	—	—	—	531	—	6,032	12,829	219	195	414

-- = Not Applicable.

- = No Data Reported.

1 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

3 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

4 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2023
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
PAD District 4										
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	9,022	1,059	1	-	-	-	-	-	151	151
Canada	9,022	1,059	1	-	-	-	-	-	151	151
Ecuador	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	-	-	-	-	-	0	0
Total	9,022	1,059	1	-	-	-	-	-	151	151
PAD District 5										
OPEC	13,545	-	-	864	-	-	-	-	-	-
Algeria	-	-	-	610	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	6,853	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	1,036	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	5,656	-	-	254	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	21,910	1,817	-	765	-	131	131	-	457	457
Argentina	1,480	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	3,129	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Canada	9,003	1,737	-	-	-	24	24	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	989	-	-	-	-	-	-	-	-	-
Ecuador	4,322	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	21	21
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	107	107	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	38	38
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	51	51
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	2,987	80	-	765	-	0	0	-	347	347
Total	35,455	1,817	-	1,629	-	131	131	-	457	457
Persian Gulf⁴	12,509	-	-	254	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
PAD District 4											
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	12	-	-	-	-	-	-	-	-	-
Canada	-	12	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	-	-	-	-	-	-	-
Total	-	12	-	-	-	-	-	-	-	-	-
PAD District 5											
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	104	633	-	174	-	-	-	174	-	1
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Canada	-	74	-	-	134	-	-	-	134	-	1
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	30	-	-	40	-	-	-	40	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	633	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	0	-	0	-	-	-	0	-	0
Total	-	104	633	-	174	-	-	-	174	-	1
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
PAD District 4									
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	10	1	-	-	-	-	-	-
Canada	-	10	1	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Other	-	0	0	-	-	-	-	-	-
Total	-	10	1	-	-	-	-	-	-
PAD District 5									
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	2,513	37	240	76	-	316	38	-
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Canada	-	23	37	-	76	-	76	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-
Korea, South	-	2,160	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	38	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	-	330	0	240	0	-	240	0	-
Total	-	2,513	37	240	76	-	316	38	-
Persian Gulf⁴	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
PAD District 4										
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	59	-	-	1,293	10,315	291	42	333
Canada	-	-	59	-	-	1,293	10,315	291	42	333
Ecuador	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Other	-	-	0	-	-	0	0	0	0	0
Total	-	-	59	-	-	1,293	10,315	291	42	333
PAD District 5										
OPEC	-	-	-	-	-	864	14,409	437	28	465
Algeria	-	-	-	-	-	610	610	-	20	20
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	6,853	221	-	221
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	1,036	33	-	33
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	254	5,910	182	8	191
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	13	-	214	5	-	7,218	29,128	707	233	940
Argentina	-	-	-	-	-	-	1,480	48	-	48
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	3,129	101	-	101
Brunei	-	-	-	-	-	-	-	-	-	-
Canada	-	-	106	5	-	2,217	11,220	290	72	362
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	989	32	-	32
Ecuador	-	-	-	-	-	-	4,322	139	-	139
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	21	21	-	1	1
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	2,337	2,337	-	75
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	38	38	-	1	1
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	633	633	-	20	20
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	13	-	-	-	-	51	51	-	2	2
United Kingdom	-	-	-	-	-	51	51	-	2	2
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	0	-	108	0	-	1,870	4,857	97	60	157
Total	13	-	214	5	-	8,082	43,537	1,144	261	1,404
Persian Gulf⁴	-	-	-	-	-	254	12,763	404	8	412

-- = Not Applicable.

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2023
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	9,268	257	-	-	-	-	-	-	316	316
Algeria	631	-	-	-	-	-	-	-	-	-
Angola	3	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	257	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	824	-	-	-	-	-	-	-	-	-
Nigeria	5,693	-	-	-	-	-	-	-	316	316
Saudi Arabia	2,117	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	7,768	1,170	295	1,730	-	3,220	3,220	4,432	8,047	12,479
Argentina	483	-	-	-	-	-	-	-	486	486
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	1,870	1,870	100	324	424
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	3,477	1,170	295	-	-	288	288	2,305	1,316	3,621
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	328	328
France	-	-	-	-	-	460	460	294	188	482
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	39	39	-	518	518
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	205	-	-	-	143	2,151	2,294
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	1,989	-	-	1,080	-	-	-	-	-	-
Netherlands	-	-	-	52	-	-	-	643	508	1,151
Norway	1	-	-	-	-	316	316	-	644	644
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	890	890
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	601	601
Sweden	-	-	-	-	-	247	247	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	1,198	-	-	300	-	-	-	947	-	947
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	620	0	0	93	-	0	0	0	93	93
Total	17,036	1,427	295	1,730	-	3,220	3,220	4,432	8,363	12,795
Persian Gulf⁴	2,117	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	-	-	-	-	53	-	-	-	53	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	53	-	-	-	53	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	561	-	-	7,383	-	131	-	7,514	504	-
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	70	-	-	-	70	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	76	-	-	4,541	-	-	-	4,541	-	-
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	359	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	1,836	-	-	-	1,836	504	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	69	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	55	-	117	-	172	-	-
Norway	-	-	-	-	-	-	14	-	14	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	780	-	-	-	780	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	57	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	101	-	0	-	101	0	-
Total	-	561	-	-	7,436	-	131	-	7,567	504	-
Persian Gulf⁴	-	-	-	-	833	-	-	-	833	-	-

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	—	661	—	—	117	448	565	—	—
Algeria	—	—	—	—	29	—	29	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	88	—	88	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	4	—	—	—	179	179	—	—
Kuwait	—	583	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	269	269	—	—
United Arab Emirates	—	74	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	393	3	—	462	1,744	2,206	93	1
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	2	—	2	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	248	—	248	—	—
Brazil	—	—	—	—	—	88	88	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	138	3	—	—	137	137	2	1
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	831	831	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	110	—	110	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	19	—	19	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	237	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	91	—
Korea, South	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	13	—	—	—	—	—	—	—
Mexico	—	5	—	—	8	27	35	—	—
Netherlands	—	—	—	—	19	—	19	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	12	—	12	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	0	—	44	661	705	0	0
Total	—	1,054	3	—	579	2,192	2,771	93	1
Persian Gulf¹	—	661	—	—	—	448	448	—	—

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	—	—	—	—	—	1,852	11,120	299	60	359
Algeria	—	—	—	—	—	29	660	20	1	21
Angola	—	—	—	—	—	—	3	0	—	0
Congo (Brazzaville)	—	—	—	—	—	88	88	—	3	3
Equatorial Guinea	—	—	—	—	—	257	257	—	8	8
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	183	183	—	6	6
Kuwait	—	—	—	—	—	583	583	—	19	19
Libya	—	—	—	—	—	—	824	27	—	27
Nigeria	—	—	—	—	—	316	6,009	184	10	194
Saudi Arabia	—	—	—	—	—	269	2,386	68	9	77
United Arab Emirates	—	—	—	—	—	127	127	—	4	4
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	95	—	852	95	—	31,211	38,979	251	1,007	1,257
Argentina	—	—	—	—	—	486	969	16	16	31
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	2,296	2,296	—	74	74
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	1	—	319	319	—	10	10
Brazil	—	—	—	—	—	88	88	—	3	3
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	92	—	780	79	—	11,223	14,700	112	362	474
Chad	—	—	—	—	—	—	—	—	—	—
China	2	—	—	—	—	2	2	—	0	0
Colombia	—	—	72	—	—	903	903	—	29	29
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	110	110	—	4	4
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	347	347	—	11	11
France	—	—	—	4	—	946	946	—	31	31
Germany	—	—	—	9	—	368	368	—	12	12
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	3,134	3,134	—	101	101
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	1	—	2,660	2,660	—	86	86
Korea, South	1	—	—	—	—	1	1	—	0	0
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	13	13	—	0	0
Mexico	—	—	—	—	—	1,120	3,109	64	36	100
Netherlands	—	—	—	—	—	1,394	1,394	—	45	45
Norway	—	—	—	—	—	974	975	0	31	31
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	890	890	—	29	29
Qatar	—	—	—	—	—	780	780	—	25	25
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	658	658	—	21	21
Sweden	—	—	—	1	—	248	248	—	8	8
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	1,259	2,457	39	41	79
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	0	—	0	0	—	992	1,612	20	32	53
Total	95	—	852	95	—	33,063	50,099	550	1,067	1,616
Persian Gulf⁴	—	—	—	—	—	1,942	4,059	68	63	131

-- = Not Applicable.

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2023
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	87,704	2,202	233	-	-	-	-	-	780	780
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	87,704	2,202	233	-	-	-	-	-	780	780
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	-	-	-	-	-	0	0
Total	87,704	2,202	233	-	-	-	-	-	780	780
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline	
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total			
OPEC	-	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	90	-	-	447	3	1	-	451	-	-	3
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	90	-	-	447	3	1	-	451	-	-	3
Chad	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	0	0	0	-	0	-	-	0
Total	-	90	-	-	447	3	1	-	451	-	-	3
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	3	-	7	119	126	105	78
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	-	3	-	7	119	126	105	78
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	-	0	-	0	0	0	0	0
Total	-	-	3	-	7	119	126	105	78
Persian Gulf¹	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	15	14	638	217	—	4,955	92,659	2,829	160	2,989
Argentina	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	15	14	638	217	—	4,955	92,659	2,829	160	2,989
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	0	0	0	0	—	0	0	0	0	0
Total	15	14	638	217	—	4,955	92,659	2,829	160	2,989
Persian Gulf⁴	—	—	—	—	—	—	—	—	—	—

— = Not Applicable.
 - = No Data Reported.
¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.
² Includes crude oil imported for storage in the Strategic Petroleum Reserve.
³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.
 Note: Totals may not equal sum of components due to independent rounding.
 Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2023
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	8,038	-	-	5,382	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	970	-	-	3,351	-	-	-	-	-	-
Kuwait	365	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	5,462	-	-	1,661	-	-	-	-	-	-
United Arab Emirates	-	-	-	370	-	-	-	-	-	-
Venezuela	1,241	-	-	-	-	-	-	-	-	-
Non-OPEC	37,344	-	-	7,562	-	-	-	-	1,028	1,028
Argentina	-	-	-	-	-	-	-	-	21	21
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	674	-	-	-	-	-	-
Brazil	-	-	-	543	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	617	-	-	-	-	-	-	-	-	-
Canada	10,912	-	-	-	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	4,227	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	1,035	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	747	747
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	275	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	187	187
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	20,190	-	-	2,846	-	-	-	-	-	-
Netherlands	-	-	-	310	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	317	-	-	-	-	-	-
Sweden	-	-	-	199	-	-	-	-	50	50
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	891	-	-	-	-	-	-	-	-	-
United Kingdom	507	-	-	408	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	-	-	955	-	-	-	-	23	23
Total	45,382	-	-	12,944	-	-	-	-	1,028	1,028
Persian Gulf⁴	6,797	-	-	5,382	-	-	-	-	-	-

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline	
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total			
OPEC	-	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	163	-	-	300	-	-	-	300	-	-	-
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	71	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	300	-	-	-	300	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-	-
Spain	-	92	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	0	-	-	-	0	-	-	-
Total	-	163	-	-	300	-	-	-	300	-	-	-
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	-	-	-	-	-	119	119	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	119	119	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	567	65	368	1,352	1,785	55	112
Argentina	-	-	-	-	-	-	-	-	19
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	134	134	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	-	50	65	-	27	92	-	-
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	14	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	412	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	6	6	-	-
Mexico	-	-	-	-	-	1,185	1,185	55	93
Netherlands	-	-	76	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	-	15	0	368	0	368	0	0
Total	-	-	567	65	368	1,471	1,904	55	112
Persian Gulf¹	-	-	-	-	-	119	119	-	-

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	—	—	—	224	—	5,725	13,763	259	185	444
Algeria	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	3,470	4,440	31	112	143
Kuwait	—	—	—	—	—	—	365	12	—	12
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	1,661	7,123	176	54	230
United Arab Emirates	—	—	—	224	—	594	594	—	19	19
Venezuela	—	—	—	—	—	—	1,241	40	—	40
Non-OPEC	8	476	—	684	—	12,755	50,099	1,205	411	1,616
Argentina	—	140	—	4	—	184	184	—	6	6
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	2	—	676	676	—	22	22
Brazil	—	—	—	—	—	677	677	—	22	22
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	617	20	—	20
Canada	—	—	—	—	—	142	11,054	352	5	357
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	—	196	—	—	—	196	4,423	136	6	143
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	1,035	1,035	—	33	33
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—
France	—	—	—	3	—	3	3	—	0	0
Germany	—	—	—	1	—	86	86	—	3	3
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	747	747	—	24	24
Indonesia	—	—	—	57	—	57	57	—	2	2
Italy	—	—	—	6	—	281	281	—	9	9
Korea, South	—	—	—	213	—	812	812	—	26	26
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	8	—	—	—	—	14	14	—	0	0
Mexico	—	—	—	—	—	4,479	24,669	651	144	796
Netherlands	—	140	—	90	—	616	616	—	20	20
Norway	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	307	—	307	307	—	10	10
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	409	409	—	13	13
Sweden	—	—	—	—	—	249	249	—	8	8
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	891	29	—	29
United Kingdom	—	—	—	—	—	408	915	16	13	30
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	0	0	—	1	—	1,377	1,377	1	45	43
Total	8	476	—	908	—	18,480	63,862	1,464	596	2,060
Persian Gulf⁴	—	—	—	531	—	6,032	12,829	219	195	414

-- = Not Applicable.

- = No Data Reported.

1 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

3 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

4 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2023
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
PAD District 4										
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	9,022	1,059	1	-	-	-	-	-	151	151
Canada	9,022	1,059	1	-	-	-	-	-	151	151
Ecuador	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	-	-	-	-	-	0	0
Total	9,022	1,059	1	-	-	-	-	-	151	151
PAD District 5										
OPEC	13,545	-	-	864	-	-	-	-	-	-
Algeria	-	-	-	610	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	6,853	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	1,036	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	5,656	-	-	254	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	21,910	1,817	-	765	-	131	131	-	457	457
Argentina	1,480	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	3,129	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Canada	9,003	1,737	-	-	-	24	24	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	989	-	-	-	-	-	-	-	-	-
Ecuador	4,322	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	21	21
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	107	107	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	38	38
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	51	51
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	2,987	80	-	765	-	0	0	-	347	347
Total	35,455	1,817	-	1,629	-	131	131	-	457	457
Persian Gulf⁴	12,509	-	-	254	-	-	-	-	-	-

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2023
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
PAD District 4											
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	12	-	-	-	-	-	-	-	-	-
Canada	-	12	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	-	-	-	-	-	-	-
Total	-	12	-	-	-	-	-	-	-	-	-
PAD District 5											
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	104	633	-	174	-	-	-	174	-	1
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Canada	-	74	-	-	134	-	-	-	134	-	1
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	30	-	-	40	-	-	-	40	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	633	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	0	-	0	-	-	-	0	-	0
Total	-	104	633	-	174	-	-	-	174	-	1
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
PAD District 4									
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	10	1	-	-	-	-	-	-
Canada	-	10	1	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Other	-	0	0	-	-	-	-	-	-
Total	-	10	1	-	-	-	-	-	-
PAD District 5									
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	2,513	37	240	76	-	316	38	-
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Canada	-	23	37	-	76	-	76	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-
Korea, South	-	2,160	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	38	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	-	330	0	240	0	-	240	0	-
Total	-	2,513	37	240	76	-	316	38	-
Persian Gulf⁴	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-January 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
PAD District 4										
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	59	-	-	1,293	10,315	291	42	333
Canada	-	-	59	-	-	1,293	10,315	291	42	333
Ecuador	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Other	-	-	0	-	-	0	0	0	0	0
Total	-	-	59	-	-	1,293	10,315	291	42	333
PAD District 5										
OPEC	-	-	-	-	-	864	14,409	437	28	465
Algeria	-	-	-	-	-	610	610	-	20	20
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	6,853	221	-	221
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	1,036	33	-	33
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	254	5,910	182	8	191
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	13	-	214	5	-	7,218	29,128	707	233	940
Argentina	-	-	-	-	-	-	1,480	48	-	48
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	3,129	101	-	101
Brunei	-	-	-	-	-	-	-	-	-	-
Canada	-	-	106	5	-	2,217	11,220	290	72	362
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	989	32	-	32
Ecuador	-	-	-	-	-	-	4,322	139	-	139
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	21	21	-	1	1
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	2,337	2,337	-	75	75
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	38	38	-	1	1
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	633	633	-	20	20
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	13	-	-	-	-	51	51	-	2	2
United Kingdom	-	-	-	-	-	51	51	-	2	2
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	0	-	108	0	-	1,870	4,857	97	60	157
Total	13	-	214	5	-	8,082	43,537	1,144	261	1,404
Persian Gulf⁴	-	-	-	-	-	254	12,763	404	8	412

-- = Not Applicable.

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 49. Exports of Crude Oil and Petroleum Products by PAD District, January 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	1,440	2,656	104,835	-	-	108,931	3,514
Hydrocarbon Gas Liquids	7,019	6,978	64,484	9	1,026	79,516	2,565
Natural Gas Liquids	7,019	6,978	64,484	9	1,026	79,516	2,565
Ethane	2,975	2,307	9,640	0	-	14,923	481
Propane	3,256	115	41,036	1	743	45,151	1,456
Normal Butane	743	101	13,378	-	259	14,481	467
Isobutane	1	1	76	-	2	80	3
Natural Gasoline	44	4,454	354	8	23	4,882	157
Other Liquids	123	3,490	7,359	14	454	11,439	369
Hydrogen/Biofuels/Other Hydrocarbons	98	987	1,516	12	290	2,904	94
Hydrogen	-	-	-	-	-	-	-
Biofuels	98	987	1,516	12	290	2,904	94
Fuel Ethanol	94	941	1,505	12	259	2,812	91
Biodiesel	4	45	11	-	32	92	3
Renewable Diesel Fuel	NA	NA	NA	NA	NA	NA	NA
Other Biofuels ²	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons	-	-	-	-	-	-	-
Unfinished Oils	20	2,429	3,647	0	20	6,117	197
Naphthas and Lighter	8	2,415	3,230	0	1	5,655	182
Kerosene and Light Gas Oils	13	14	417	-	19	462	15
Heavy Gas Oils	-	-	-	-	-	-	-
Residuum	-	-	-	-	-	-	-
Motor Gasoline Blend.Comp. (MGBC)	4	74	2,196	2	143	2,418	78
Reformulated	0	-	21	-	2	23	1
Conventional	4	74	2,174	2	141	2,395	77
Aviation Gasoline Blend. Comp.	-	-	-	-	-	-	-
Finished Petroleum Products	2,187	627	77,069	19	10,581	90,483	2,919
Finished Motor Gasoline	70	172	25,909	1	1,248	27,400	884
Reformulated	-	-	-	-	-	-	-
Conventional	70	172	25,909	1	1,248	27,400	884
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	390	36	5,046	-	795	6,266	202
Kerosene	2	2	486	-	0	491	16
Distillate Fuel Oil	433	82	24,832	0	3,789	29,136	940
15 ppm sulfur and under	12	0	20,908	0	3,195	24,115	778
Greater than 15 ppm to 500 ppm sulfur	421	20	2,442	-	103	2,986	96
Greater than 500 ppm sulfur	1	62	1,481	-	491	2,035	66
Residual Fuel Oil	4	0	2,389	-	823	3,216	104
Naphtha for Petro. Feed. Use	-	-	-	-	-	-	-
Other Oils for Petro. Feed. Use	-	-	-	-	-	-	-
Special Naphthas	-	-	-	-	-	-	-
Lubricants	142	178	2,202	16	241	2,780	90
Waxes	67	38	15	-	5	126	4
Petroleum Coke	963	27	15,503	0	3,657	20,150	650
Asphalt and Road Oil	97	90	605	3	22	816	26
Miscellaneous Products	18	1	81	-	0	100	3
Total	10,769	13,750	253,747	42	12,060	290,369	9,367

-- = Not Applicable.

- = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

² Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: U.S. Census Bureau and EIA estimates.

Table 50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January-January 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	1,440	2,656	104,835	-	-	108,931	3,514
Hydrocarbon Gas Liquids	7,019	6,978	64,484	9	1,026	79,516	2,565
Natural Gas Liquids	7,019	6,978	64,484	9	1,026	79,516	2,565
Ethane	2,975	2,307	9,640	0	-	14,923	481
Propane	3,256	115	41,036	1	743	45,151	1,456
Normal Butane	743	101	13,378	-	259	14,481	467
Isobutane	1	1	76	-	2	80	3
Natural Gasoline	44	4,454	354	8	23	4,882	157
Other Liquids	123	3,490	7,359	14	454	11,439	369
Hydrogen/Biofuels/Other Hydrocarbons	98	987	1,516	12	290	2,904	94
Hydrogen	-	-	-	-	-	-	-
Biofuels	98	987	1,516	12	290	2,904	94
Fuel Ethanol	94	941	1,505	12	259	2,812	91
Biodiesel	4	45	11	-	32	92	3
Renewable Diesel Fuel	NA	NA	NA	NA	NA	NA	NA
Other Biofuels ²	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons	-	-	-	-	-	-	-
Unfinished Oils	20	2,429	3,647	0	20	6,117	197
Naphthas and Lighter	8	2,415	3,230	0	1	5,655	182
Kerosene and Light Gas Oils	13	14	417	-	19	462	15
Heavy Gas Oils	-	-	-	-	-	-	-
Residuum	-	-	-	-	-	-	-
Motor Gasoline Blend.Comp. (MGBC)	4	74	2,196	2	143	2,418	78
Reformulated	0	-	21	-	2	23	1
Conventional	4	74	2,174	2	141	2,395	77
Aviation Gasoline Blend. Comp.	-	-	-	-	-	-	-
Finished Petroleum Products	2,187	627	77,069	19	10,581	90,483	2,919
Finished Motor Gasoline	70	172	25,909	1	1,248	27,400	884
Reformulated	-	-	-	-	-	-	-
Conventional	70	172	25,909	1	1,248	27,400	884
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	390	36	5,046	-	795	6,266	202
Kerosene	2	2	486	-	0	491	16
Distillate Fuel Oil	433	82	24,832	0	3,789	29,136	940
15 ppm sulfur and under	12	0	20,908	0	3,195	24,115	778
Greater than 15 ppm to 500 ppm sulfur	421	20	2,442	-	103	2,986	96
Greater than 500 ppm sulfur	1	62	1,481	-	491	2,035	66
Residual Fuel Oil	4	0	2,389	-	823	3,216	104
Naphtha for Petro. Feed. Use	-	-	-	-	-	-	-
Other Oils for Petro. Feed. Use	-	-	-	-	-	-	-
Special Naphthas	-	-	-	-	-	-	-
Lubricants	142	178	2,202	16	241	2,780	90
Waxes	67	38	15	-	5	126	4
Petroleum Coke	963	27	15,503	0	3,657	20,150	650
Asphalt and Road Oil	97	90	605	3	22	816	26
Miscellaneous Products	18	1	81	-	0	100	3
Total	10,769	13,750	253,747	42	12,060	290,369	9,367

-- = Not Applicable.

- = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

² Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: U.S. Census Bureau and EIA estimates.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, January 2023
(Thousand Barrels)

Destination	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina	—	—	—	6	—	267	267	—	—	—
Australia	872	1	—	2	—	—	—	—	—	—
Bahamas	—	53	—	0	—	903	903	—	753	753
Bahrain	—	—	—	0	—	—	—	—	—	—
Belgium	—	2,323	—	11	—	—	—	—	—	—
Belize	—	38	—	—	—	—	—	—	—	—
Brazil	754	265	—	536	—	—	—	—	—	—
Canada	10,395	7,046	—	2,441	—	331	331	—	622	622
Cayman Islands	—	7	—	—	—	10	10	—	0	0
Chile	699	416	—	100	—	1,002	1,002	—	—	—
China	8,562	12,037	—	3	—	—	—	—	0	0
Colombia	1,227	66	—	931	—	1,199	1,199	—	—	—
Costa Rica	—	147	—	22	—	2,058	2,058	0	—	0
Denmark	1,950	—	—	—	—	—	—	—	—	—
Dominican Republic	501	1,229	—	56	—	546	546	—	—	—
Ecuador	—	1,034	—	300	—	617	617	—	—	—
Egypt	—	1,159	—	—	—	—	—	—	—	—
El Salvador	—	154	—	—	—	456	456	—	—	—
Finland	719	134	—	—	—	—	—	—	—	—
France	5,486	637	—	25	—	0	0	—	—	—
Germany	3,823	—	—	1	—	—	—	—	—	—
Ghana	—	—	—	0	—	—	—	—	—	—
Gibraltar	—	528	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	—	—	—
Guatemala	—	413	—	—	—	2,186	2,186	—	—	—
Honduras	—	615	—	9	—	832	832	—	1	1
Hong Kong	—	—	—	0	—	—	—	—	—	—
India	2,503	2,901	—	2	—	—	—	—	—	—
Indonesia	1,490	3,964	—	—	—	—	—	—	—	—
Ireland	1,269	—	—	—	—	—	—	—	—	—
Israel	746	0	—	3	—	—	—	—	—	—
Italy	4,865	1,335	—	—	—	—	—	—	—	—
Jamaica	—	98	—	—	—	100	100	0	—	0
Japan	1,025	17,130	—	2	—	—	—	1	—	1
Korea, South	11,184	3,062	—	1	—	0	0	0	1	1
Lebanon	—	—	—	—	—	0	0	—	—	—
Mexico	—	6,990	—	839	—	14,430	14,430	21	703	724
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	2,175	—	—	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—	—	—
Netherlands	14,897	2,250	—	14	—	—	—	—	—	—
New Zealand	—	—	—	0	—	—	—	—	—	—
Nicaragua	272	155	—	—	—	62	62	—	—	—
Nigeria	—	709	—	0	—	—	—	—	—	—
Norway	2,048	1,769	—	152	—	—	—	—	—	—
Pakistan	—	—	—	—	—	0	0	—	—	—
Panama	—	350	—	—	—	1,152	1,152	—	0	0
Peru	806	517	—	6	—	772	772	—	—	—
Philippines	—	—	—	0	—	—	—	—	—	—
Portugal	963	—	—	—	—	—	—	—	—	—
Puerto Rico	—	4	—	0	—	2	2	—	0	0
Romania	—	—	—	1	—	—	—	—	—	—
Saudi Arabia	—	—	—	1	—	—	—	—	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore	9,150	39	—	7	—	134	134	—	—	—
South Africa	—	400	—	—	—	—	—	—	315	315
Spain	3,596	496	—	12	—	—	—	—	—	—
Switzerland	—	—	—	—	—	—	—	—	—	—
Taiwan	5,557	—	—	2	—	—	—	—	—	—
Thailand	250	—	—	1	—	—	—	—	—	—
Trinidad and Tobago	—	1	—	—	—	0	0	—	—	—
Turkiye	—	1,138	—	0	—	—	—	0	—	0
United Arab Emirates	—	1	—	0	—	2	2	0	—	0
United Kingdom	8,408	1,120	—	0	—	0	0	—	—	—
Venezuela	—	—	—	449	—	—	—	—	—	—
Other	4,914	4,610	—	182	—	339	339	1	—	1
Total	108,931	79,516	—	6,117	—	27,400	27,400	23	2,395	2,418

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, January 2023
(Thousand Barrels) — Continued

Destination	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel ²	Other Biofuels ^{2,3}	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
Argentina	—	—	NA	NA	1,048	—	299	—	1,347	—	—
Australia	0	—	NA	NA	—	—	—	—	—	—	—
Bahamas	0	—	NA	NA	168	—	200	—	368	—	—
Bahrain	1	—	NA	NA	—	—	—	—	—	—	—
Belgium	—	—	NA	NA	325	—	—	—	325	171	—
Belize	—	—	NA	NA	50	43	—	—	93	—	—
Brazil	0	—	NA	NA	2,019	—	—	—	2,019	295	—
Canada	1,133	77	NA	NA	1	198	68	—	267	3	—
Cayman Islands	—	—	NA	NA	93	—	—	—	93	—	—
Chile	0	—	NA	NA	2,247	—	—	—	2,247	0	—
China	3	—	NA	NA	2	—	—	—	2	—	—
Colombia	119	—	NA	NA	206	—	—	—	206	0	—
Costa Rica	—	—	NA	NA	817	—	—	—	817	0	—
Denmark	—	—	NA	NA	—	—	—	—	—	—	—
Dominican Republic	1	—	NA	NA	247	—	170	—	417	0	—
Ecuador	—	—	NA	NA	1,431	285	280	—	1,997	—	—
Egypt	—	—	NA	NA	0	—	—	—	0	—	—
El Salvador	0	—	NA	NA	3	468	—	—	470	0	—
Finland	16	—	NA	NA	—	—	—	—	—	—	—
France	—	—	NA	NA	—	—	—	—	—	—	—
Germany	0	1	NA	NA	—	—	—	—	—	—	—
Ghana	—	—	NA	NA	—	—	—	—	—	—	—
Gibraltar	—	—	NA	NA	—	—	—	—	—	—	—
Greece	—	—	NA	NA	—	—	—	—	—	—	—
Guatemala	—	—	NA	NA	607	812	103	—	1,522	0	—
Honduras	0	—	NA	NA	303	—	131	—	434	0	—
Hong Kong	—	—	NA	NA	—	—	—	—	—	—	—
India	202	—	NA	NA	130	—	0	—	130	—	—
Indonesia	0	0	NA	NA	—	—	—	—	—	—	—
Ireland	—	—	NA	NA	—	—	—	—	—	—	—
Israel	0	—	NA	NA	—	—	—	—	—	—	—
Italy	—	—	NA	NA	—	—	—	—	—	—	—
Jamaica	13	—	NA	NA	289	—	50	—	339	—	—
Japan	0	—	NA	NA	0	—	—	—	0	—	—
Korea, South	345	—	NA	NA	0	—	—	—	0	—	—
Lebanon	—	—	NA	NA	—	—	—	—	—	—	—
Mexico	114	0	NA	NA	9,376	135	3	—	9,514	0	—
Montenegro	—	—	NA	NA	—	—	—	—	—	—	—
Morocco	—	—	NA	NA	—	—	—	—	—	—	—
Mozambique	—	—	NA	NA	—	—	—	—	—	—	—
Netherlands	175	—	NA	NA	904	—	—	—	904	—	—
New Zealand	—	—	NA	NA	—	—	—	—	—	—	—
Nicaragua	—	—	NA	NA	129	124	—	—	253	20	—
Nigeria	—	—	NA	NA	0	—	—	—	0	—	—
Norway	33	1	NA	NA	148	—	—	—	148	—	—
Pakistan	—	—	NA	NA	—	—	—	—	—	—	—
Panama	—	—	NA	NA	920	382	27	—	1,329	1	—
Peru	58	11	NA	NA	1,603	—	—	—	1,603	—	—
Philippines	—	—	NA	NA	—	—	—	—	—	0	—
Portugal	—	—	NA	NA	—	—	—	—	—	—	—
Puerto Rico	4	—	NA	NA	151	—	—	—	151	—	—
Romania	—	—	NA	NA	—	—	—	—	—	—	—
Saudi Arabia	80	—	NA	NA	—	—	—	—	—	0	—
Serbia (Excludes Kosovo) ..	—	—	NA	NA	—	—	—	—	—	—	—
Singapore	0	2	NA	NA	268	123	484	—	874	—	—
South Africa	—	—	NA	NA	—	—	—	—	—	—	—
Spain	26	—	NA	NA	—	—	—	—	—	—	—
Switzerland	2	—	NA	NA	—	—	—	—	—	—	—
Taiwan	0	—	NA	NA	0	—	—	—	0	—	—
Thailand	—	—	NA	NA	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	NA	NA	119	—	—	—	119	—	—
Turkiye	—	—	NA	NA	—	—	—	—	—	—	—
United Arab Emirates	0	—	NA	NA	0	—	—	—	0	0	—
United Kingdom	426	—	NA	NA	—	—	—	—	—	—	—
Venezuela	0	—	NA	NA	2	—	—	—	2	—	—
Other	61	—	NA	NA	509	416	220	—	1,146	1	—
Total	2,812	92	NA	NA	24,115	2,986	2,035	—	29,136	491	—

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, January 2023
(Thousand Barrels) — Continued

Destination	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks		Waxes	Petroleum Coke
					Naphtha	Other Oils		
Argentina	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	1	155
Bahamas	—	82	—	695	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	242
Belize	—	—	—	—	—	—	—	—
Brazil	—	309	—	130	—	—	1	1,803
Canada	—	1,332	—	94	—	—	98	1,036
Cayman Islands	—	60	—	—	—	—	—	—
Chile	—	350	—	590	—	—	0	0
China	—	—	—	3	—	—	3	3,346
Colombia	—	—	—	—	—	—	0	0
Costa Rica	—	240	—	114	—	—	0	—
Denmark	—	—	—	—	—	—	—	—
Dominican Republic	—	174	—	310	—	—	0	213
Ecuador	—	—	—	—	—	—	0	200
Egypt	—	—	—	—	—	—	—	275
El Salvador	—	32	—	—	—	—	—	275
Finland	—	—	—	—	—	—	—	—
France	—	—	—	270	—	—	0	179
Germany	—	—	—	—	—	—	2	0
Ghana	—	—	—	—	—	—	—	46
Gibraltar	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	416
Guatemala	—	235	—	—	—	—	0	736
Honduras	—	43	—	—	—	—	0	291
Hong Kong	—	—	—	—	—	—	0	598
India	—	—	—	0	—	—	1	2,762
Indonesia	—	—	—	—	—	—	0	—
Ireland	—	—	—	—	—	—	—	0
Israel	—	0	—	—	—	—	—	325
Italy	—	—	—	—	—	—	0	762
Jamaica	—	270	—	—	—	—	0	—
Japan	—	—	—	0	—	—	0	1,063
Korea, South	—	—	—	—	—	—	0	292
Lebanon	—	—	—	—	—	—	—	—
Mexico	—	1,717	—	39	—	—	16	758
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	—	—	—	—	—	—	696
Mozambique	—	—	—	—	—	—	—	149
Netherlands	—	—	—	132	—	—	1	201
New Zealand	—	—	—	—	—	—	—	—
Nicaragua	—	0	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	0	—
Norway	—	—	—	—	—	—	—	126
Pakistan	—	—	—	—	—	—	—	—
Panama	—	450	—	431	—	—	0	—
Peru	—	196	—	—	—	—	0	—
Philippines	—	—	—	—	—	—	0	269
Portugal	—	—	—	—	—	—	0	—
Puerto Rico	—	1	—	—	—	—	0	—
Romania	—	—	—	—	—	—	—	138
Saudi Arabia	—	—	—	—	—	—	0	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore	—	10	—	—	—	—	0	—
South Africa	—	—	—	0	—	—	—	143
Spain	—	—	—	—	—	—	1	464
Switzerland	—	—	—	—	—	—	0	—
Taiwan	—	—	—	—	—	—	0	—
Thailand	—	—	—	0	—	—	0	—
Trinidad and Tobago	—	—	—	—	—	—	—	0
Turkiye	—	—	—	—	—	—	0	1,071
United Arab Emirates	—	—	—	—	—	—	0	—
United Kingdom	—	—	—	0	—	—	0	200
Venezuela	—	0	—	—	—	—	—	—
Other	—	765	—	408	—	—	2	920
Total	—	6,266	—	3,216	—	—	126	20,150

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, January 2023
(Thousand Barrels) — Continued

Destination	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
						Crude Oil	Products	Total
Argentina	—	11	24	1,655	1,655	—	53	53
Australia	0	4	0	164	1,036	28	5	33
Bahamas	3	4	1	2,862	2,862	—	92	92
Bahrain	0	0	—	1	1	—	0	0
Belgium	0	457	1	3,530	3,530	—	114	114
Belize	—	1	—	132	132	—	4	4
Brazil	0	366	1	5,724	6,478	24	185	209
Canada	181	259	8	14,928	25,323	335	482	817
Cayman Islands	1	1	—	172	172	—	6	6
Chile	82	53	—	4,841	5,540	23	156	179
China	3	10	1	15,411	23,972	276	497	773
Colombia	—	93	0	2,616	3,843	40	84	124
Costa Rica	38	16	—	3,454	3,454	—	111	111
Denmark	—	—	—	—	1,950	63	—	63
Dominican Republic	0	25	—	2,970	3,470	16	96	112
Ecuador	0	47	9	4,203	4,203	—	136	136
Egypt	—	0	—	1,434	1,434	—	46	46
El Salvador	—	53	—	1,439	1,439	—	46	46
Finland	—	0	—	150	869	23	5	28
France	—	68	—	1,180	6,665	177	38	215
Germany	4	2	—	10	3,833	123	0	124
Ghana	—	0	—	46	46	—	1	1
Gibraltar	—	—	—	528	528	—	17	17
Greece	—	0	—	416	416	—	13	13
Guatemala	—	13	23	5,129	5,129	—	165	165
Honduras	34	6	—	2,265	2,265	—	73	73
Hong Kong	—	0	0	599	599	—	19	19
India	0	45	0	6,043	8,546	81	195	276
Indonesia	0	1	0	3,966	5,456	48	128	176
Ireland	—	—	—	0	1,269	41	0	41
Israel	—	37	0	366	1,112	24	12	36
Italy	—	0	0	2,097	6,963	157	68	225
Jamaica	—	3	0	823	823	—	27	27
Japan	1	15	4	18,217	19,242	33	588	621
Korea, South	—	14	1	3,716	14,900	361	120	481
Lebanon	—	1	—	1	1	—	0	0
Mexico	78	847	26	36,091	36,091	—	1,164	1,164
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	0	—	2,871	2,871	—	93	93
Mozambique	—	—	—	149	149	—	5	5
Netherlands	1	86	0	3,764	18,661	481	121	602
New Zealand	173	1	—	174	174	—	6	6
Nicaragua	—	2	—	493	765	9	16	25
Nigeria	182	0	—	892	892	—	29	29
Norway	—	1	—	2,229	4,277	66	72	138
Pakistan	—	—	—	0	0	—	0	0
Panama	—	20	—	3,733	3,733	—	120	120
Peru	—	46	—	3,208	4,014	26	103	129
Philippines	—	0	0	270	270	—	9	9
Portugal	—	—	—	0	963	31	0	31
Puerto Rico	0	11	—	175	175	—	6	6
Romania	—	0	—	139	139	—	4	4
Saudi Arabia	—	7	—	88	88	—	3	3
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore	0	14	0	1,080	10,230	295	35	330
South Africa	—	59	—	917	917	—	30	30
Spain	—	2	—	1,000	4,596	116	32	148
Switzerland	—	0	—	2	2	—	0	0
Taiwan	—	2	0	6	5,562	179	0	179
Thailand	1	3	—	5	255	8	0	8
Trinidad and Tobago	0	2	—	122	122	—	4	4
Türkiye	0	0	—	2,209	2,209	—	71	71
United Arab Emirates	0	21	—	25	25	—	1	1
United Kingdom	—	4	—	1,749	10,157	271	56	328
Venezuela	—	9	—	460	460	—	15	15
Other	34	38	1	8,499	13,416	159	276	433
Total	816	2,780	100	181,438	290,369	3,514	5,853	9,367

-- = Not Applicable.

- = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

² EIA is unable to report exports of renewable diesel fuel and other biofuels because of limitations of product classification information available in export data from the U.S. Census Bureau.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: U.S. Census Bureau and EIA estimates.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-January 2023
(Thousand Barrels)

Destination	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina	—	—	—	6	—	267	267	—	—	—
Australia	872	1	—	2	—	—	—	—	—	—
Bahamas	—	53	—	0	—	903	903	—	753	753
Bahrain	—	—	—	0	—	—	—	—	—	—
Belgium	—	2,323	—	11	—	—	—	—	—	—
Belize	—	38	—	—	—	—	—	—	—	—
Brazil	754	265	—	536	—	—	—	—	—	—
Canada	10,395	7,046	—	2,441	—	331	331	—	622	622
Cayman Islands	—	7	—	—	—	10	10	—	0	0
Chile	699	416	—	100	—	1,002	1,002	—	—	—
China	8,562	12,037	—	3	—	—	—	—	0	0
Colombia	1,227	66	—	931	—	1,199	1,199	—	—	—
Costa Rica	—	147	—	22	—	2,058	2,058	0	—	0
Denmark	1,950	—	—	—	—	—	—	—	—	—
Dominican Republic	501	1,229	—	56	—	546	546	—	—	—
Ecuador	—	1,034	—	300	—	617	617	—	—	—
Egypt	—	1,159	—	—	—	—	—	—	—	—
El Salvador	—	154	—	—	—	456	456	—	—	—
Finland	719	134	—	—	—	—	—	—	—	—
France	5,486	637	—	25	—	0	0	—	—	—
Germany	3,823	—	—	1	—	—	—	—	—	—
Ghana	—	—	—	0	—	—	—	—	—	—
Gibraltar	—	528	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	—	—	—
Guatemala	—	413	—	—	—	2,186	2,186	—	—	—
Honduras	—	615	—	9	—	832	832	—	1	1
Hong Kong	—	—	—	0	—	—	—	—	—	—
India	2,503	2,901	—	2	—	—	—	—	—	—
Indonesia	1,490	3,964	—	—	—	—	—	—	—	—
Ireland	1,269	—	—	—	—	—	—	—	—	—
Israel	746	0	—	3	—	—	—	—	—	—
Italy	4,865	1,335	—	—	—	—	—	—	—	—
Jamaica	—	98	—	—	—	100	100	0	—	0
Japan	1,025	17,130	—	2	—	—	—	1	—	1
Korea, South	11,184	3,062	—	1	—	0	0	0	1	1
Lebanon	—	—	—	—	—	0	0	—	—	—
Mexico	—	6,990	—	839	—	14,430	14,430	21	703	724
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	2,175	—	—	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—	—	—
Netherlands	14,897	2,250	—	14	—	—	—	—	—	—
New Zealand	—	—	—	0	—	—	—	—	—	—
Nicaragua	272	155	—	—	—	62	62	—	—	—
Nigeria	—	709	—	0	—	—	—	—	—	—
Norway	2,048	1,769	—	152	—	—	—	—	—	—
Pakistan	—	—	—	—	—	0	0	—	—	—
Panama	—	350	—	—	—	1,152	1,152	—	0	0
Peru	806	517	—	6	—	772	772	—	—	—
Philippines	—	—	—	0	—	—	—	—	—	—
Portugal	963	—	—	—	—	—	—	—	—	—
Puerto Rico	—	4	—	0	—	2	2	—	0	0
Romania	—	—	—	1	—	—	—	—	—	—
Saudi Arabia	—	—	—	1	—	—	—	—	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore	9,150	39	—	7	—	134	134	—	—	—
South Africa	—	400	—	—	—	—	—	—	315	315
Spain	3,596	496	—	12	—	—	—	—	—	—
Switzerland	—	—	—	—	—	—	—	—	—	—
Taiwan	5,557	—	—	2	—	—	—	—	—	—
Thailand	250	—	—	1	—	—	—	—	—	—
Trinidad and Tobago	—	1	—	—	—	0	0	—	—	—
Turkiye	—	1,138	—	0	—	—	—	0	—	0
United Arab Emirates	—	1	—	0	—	2	2	0	—	0
United Kingdom	8,408	1,120	—	0	—	0	0	—	—	—
Venezuela	—	—	—	449	—	—	—	—	—	—
Other	4,914	4,610	—	182	—	339	339	1	—	1
Total	108,931	79,516	—	6,117	—	27,400	27,400	23	2,395	2,418

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-January 2023
(Thousand Barrels) — Continued

Destination	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel ²	Other Biofuels ^{2,3}	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
Argentina	—	—	NA	NA	1,048	—	299	—	1,347	—	—
Australia	0	—	NA	NA	—	—	—	—	—	—	—
Bahamas	0	—	NA	NA	168	—	200	—	368	—	—
Bahrain	1	—	NA	NA	—	—	—	—	—	—	—
Belgium	—	—	NA	NA	325	—	—	—	325	171	—
Belize	—	—	NA	NA	50	43	—	—	93	—	—
Brazil	0	—	NA	NA	2,019	—	—	—	2,019	295	—
Canada	1,133	77	NA	NA	1	198	68	—	267	3	—
Cayman Islands	—	—	NA	NA	93	—	—	—	93	—	—
Chile	0	—	NA	NA	2,247	—	—	—	2,247	0	—
China	3	—	NA	NA	2	—	—	—	2	—	—
Colombia	119	—	NA	NA	206	—	—	—	206	0	—
Costa Rica	—	—	NA	NA	817	—	—	—	817	0	—
Denmark	—	—	NA	NA	—	—	—	—	—	—	—
Dominican Republic	1	—	NA	NA	247	—	170	—	417	0	—
Ecuador	—	—	NA	NA	1,431	285	280	—	1,997	—	—
Egypt	—	—	NA	NA	0	—	—	—	0	—	—
El Salvador	0	—	NA	NA	3	468	—	—	470	0	—
Finland	16	—	NA	NA	—	—	—	—	—	—	—
France	—	—	NA	NA	—	—	—	—	—	—	—
Germany	0	1	NA	NA	—	—	—	—	—	—	—
Ghana	—	—	NA	NA	—	—	—	—	—	—	—
Gibraltar	—	—	NA	NA	—	—	—	—	—	—	—
Greece	—	—	NA	NA	—	—	—	—	—	—	—
Guatemala	—	—	NA	NA	607	812	103	—	1,522	0	—
Honduras	0	—	NA	NA	303	—	131	—	434	0	—
Hong Kong	—	—	NA	NA	—	—	—	—	—	—	—
India	202	—	NA	NA	130	—	0	—	130	—	—
Indonesia	0	0	NA	NA	—	—	—	—	—	—	—
Ireland	—	—	NA	NA	—	—	—	—	—	—	—
Israel	0	—	NA	NA	—	—	—	—	—	—	—
Italy	—	—	NA	NA	—	—	—	—	—	—	—
Jamaica	13	—	NA	NA	289	—	50	—	339	—	—
Japan	0	—	NA	NA	0	—	—	—	0	—	—
Korea, South	345	—	NA	NA	0	—	—	—	0	—	—
Lebanon	—	—	NA	NA	—	—	—	—	—	—	—
Mexico	114	0	NA	NA	9,376	135	3	—	9,514	0	—
Montenegro	—	—	NA	NA	—	—	—	—	—	—	—
Morocco	—	—	NA	NA	—	—	—	—	—	—	—
Mozambique	—	—	NA	NA	—	—	—	—	—	—	—
Netherlands	175	—	NA	NA	904	—	—	—	904	—	—
New Zealand	—	—	NA	NA	—	—	—	—	—	—	—
Nicaragua	—	—	NA	NA	129	124	—	—	253	20	—
Nigeria	—	—	NA	NA	0	—	—	—	0	—	—
Norway	33	1	NA	NA	148	—	—	—	148	—	—
Pakistan	—	—	NA	NA	—	—	—	—	—	—	—
Panama	—	—	NA	NA	920	382	27	—	1,329	1	—
Peru	58	11	NA	NA	1,603	—	—	—	1,603	—	—
Philippines	—	—	NA	NA	—	—	—	—	—	0	—
Portugal	—	—	NA	NA	—	—	—	—	—	—	—
Puerto Rico	4	—	NA	NA	151	—	—	—	151	—	—
Romania	—	—	NA	NA	—	—	—	—	—	—	—
Saudi Arabia	80	—	NA	NA	—	—	—	—	—	0	—
Serbia (Excludes Kosovo) ..	—	—	NA	NA	—	—	—	—	—	—	—
Singapore	0	2	NA	NA	268	123	484	—	874	—	—
South Africa	—	—	NA	NA	—	—	—	—	—	—	—
Spain	26	—	NA	NA	—	—	—	—	—	—	—
Switzerland	2	—	NA	NA	—	—	—	—	—	—	—
Taiwan	0	—	NA	NA	0	—	—	—	0	—	—
Thailand	—	—	NA	NA	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	NA	NA	119	—	—	—	119	—	—
Turkiye	—	—	NA	NA	—	—	—	—	—	—	—
United Arab Emirates	0	—	NA	NA	0	—	—	—	0	0	—
United Kingdom	426	—	NA	NA	—	—	—	—	—	—	—
Venezuela	0	—	NA	NA	2	—	—	—	2	—	—
Other	61	—	NA	NA	509	416	220	—	1,146	1	—
Total	2,812	92	NA	NA	24,115	2,986	2,035	—	29,136	491	—

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-January 2023
(Thousand Barrels) — Continued

Destination	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks		Waxes	Petroleum Coke
					Naphtha	Other Oils		
Argentina	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	1	155
Bahamas	—	82	—	695	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	242
Belize	—	—	—	—	—	—	—	—
Brazil	—	309	—	130	—	—	1	1,803
Canada	—	1,332	—	94	—	—	98	1,036
Cayman Islands	—	60	—	—	—	—	—	—
Chile	—	350	—	590	—	—	0	0
China	—	—	—	3	—	—	3	3,346
Colombia	—	—	—	—	—	—	0	0
Costa Rica	—	240	—	114	—	—	0	—
Denmark	—	—	—	—	—	—	—	—
Dominican Republic	—	174	—	310	—	—	0	213
Ecuador	—	—	—	—	—	—	0	200
Egypt	—	—	—	—	—	—	—	275
El Salvador	—	32	—	—	—	—	—	275
Finland	—	—	—	—	—	—	—	—
France	—	—	—	270	—	—	0	179
Germany	—	—	—	—	—	—	2	0
Ghana	—	—	—	—	—	—	—	46
Gibraltar	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	416
Guatemala	—	235	—	—	—	—	0	736
Honduras	—	43	—	—	—	—	0	291
Hong Kong	—	—	—	—	—	—	0	598
India	—	—	—	0	—	—	1	2,762
Indonesia	—	—	—	—	—	—	0	—
Ireland	—	—	—	—	—	—	—	0
Israel	—	0	—	—	—	—	—	325
Italy	—	—	—	—	—	—	0	762
Jamaica	—	270	—	—	—	—	0	—
Japan	—	—	—	0	—	—	0	1,063
Korea, South	—	—	—	—	—	—	0	292
Lebanon	—	—	—	—	—	—	—	—
Mexico	—	1,717	—	39	—	—	16	758
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	—	—	—	—	—	—	696
Mozambique	—	—	—	—	—	—	—	149
Netherlands	—	—	—	132	—	—	1	201
New Zealand	—	—	—	—	—	—	—	—
Nicaragua	—	0	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	0	—
Norway	—	—	—	—	—	—	—	126
Pakistan	—	—	—	—	—	—	—	—
Panama	—	450	—	431	—	—	0	—
Peru	—	196	—	—	—	—	0	—
Philippines	—	—	—	—	—	—	0	269
Portugal	—	—	—	—	—	—	0	—
Puerto Rico	—	1	—	—	—	—	0	—
Romania	—	—	—	—	—	—	—	138
Saudi Arabia	—	—	—	—	—	—	0	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore	—	10	—	—	—	—	0	—
South Africa	—	—	—	0	—	—	—	143
Spain	—	—	—	—	—	—	1	464
Switzerland	—	—	—	—	—	—	0	—
Taiwan	—	—	—	—	—	—	0	—
Thailand	—	—	—	0	—	—	0	—
Trinidad and Tobago	—	—	—	—	—	—	—	0
Turkiye	—	—	—	—	—	—	0	1,071
United Arab Emirates	—	—	—	—	—	—	0	—
United Kingdom	—	—	—	0	—	—	0	200
Venezuela	—	0	—	—	—	—	—	—
Other	—	765	—	408	—	—	2	920
Total	—	6,266	—	3,216	—	—	126	20,150

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-January 2023
(Thousand Barrels) — Continued

Destination	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
						Crude Oil	Products	Total
Argentina	—	11	24	1,655	1,655	—	53	53
Australia	0	4	0	164	1,036	28	5	33
Bahamas	3	4	1	2,862	2,862	—	92	92
Bahrain	0	0	—	1	1	—	0	0
Belgium	0	457	1	3,530	3,530	—	114	114
Belize	—	1	—	132	132	—	4	4
Brazil	0	366	1	5,724	6,478	24	185	209
Canada	181	259	8	14,928	25,323	335	482	817
Cayman Islands	1	1	—	172	172	—	6	6
Chile	82	53	—	4,841	5,540	23	156	179
China	3	10	1	15,411	23,972	276	497	773
Colombia	—	93	0	2,616	3,843	40	84	124
Costa Rica	38	16	—	3,454	3,454	—	111	111
Denmark	—	—	—	—	1,950	63	—	63
Dominican Republic	0	25	—	2,970	3,470	16	96	112
Ecuador	0	47	9	4,203	4,203	—	136	136
Egypt	—	0	—	1,434	1,434	—	46	46
El Salvador	—	53	—	1,439	1,439	—	46	46
Finland	—	0	—	150	869	23	5	28
France	—	68	—	1,180	6,665	177	38	215
Germany	4	2	—	10	3,833	123	0	124
Ghana	—	0	—	46	46	—	1	1
Gibraltar	—	—	—	528	528	—	17	17
Greece	—	0	—	416	416	—	13	13
Guatemala	—	13	23	5,129	5,129	—	165	165
Honduras	34	6	—	2,265	2,265	—	73	73
Hong Kong	—	0	0	599	599	—	19	19
India	0	45	0	6,043	8,546	81	195	276
Indonesia	0	1	0	3,966	5,456	48	128	176
Ireland	—	—	—	0	1,269	41	0	41
Israel	—	37	0	366	1,112	24	12	36
Italy	—	0	0	2,097	6,963	157	68	225
Jamaica	—	3	0	823	823	—	27	27
Japan	1	15	4	18,217	19,242	33	588	621
Korea, South	—	14	1	3,716	14,900	361	120	481
Lebanon	—	1	—	1	1	—	0	0
Mexico	78	847	26	36,091	36,091	—	1,164	1,164
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	0	—	2,871	2,871	—	93	93
Mozambique	—	—	—	149	149	—	5	5
Netherlands	1	86	0	3,764	18,661	481	121	602
New Zealand	173	1	—	174	174	—	6	6
Nicaragua	—	2	—	493	765	9	16	25
Nigeria	182	0	—	892	892	—	29	29
Norway	—	1	—	2,229	4,277	66	72	138
Pakistan	—	—	—	0	0	—	0	0
Panama	—	20	—	3,733	3,733	—	120	120
Peru	—	46	—	3,208	4,014	26	103	129
Philippines	—	0	0	270	270	—	9	9
Portugal	—	—	—	0	963	31	0	31
Puerto Rico	0	11	—	175	175	—	6	6
Romania	—	0	—	139	139	—	4	4
Saudi Arabia	—	7	—	88	88	—	3	3
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore	0	14	0	1,080	10,230	295	35	330
South Africa	—	59	—	917	917	—	30	30
Spain	—	2	—	1,000	4,596	116	32	148
Switzerland	—	0	—	2	2	—	0	0
Taiwan	—	2	0	6	5,562	179	0	179
Thailand	1	3	—	5	255	8	0	8
Trinidad and Tobago	0	2	—	122	122	—	4	4
Türkiye	0	0	—	2,209	2,209	—	71	71
United Arab Emirates	0	21	—	25	25	—	1	1
United Kingdom	—	4	—	1,749	10,157	271	56	328
Venezuela	—	9	—	460	460	—	15	15
Other	34	38	1	8,499	13,416	159	276	433
Total	816	2,780	100	181,438	290,369	3,514	5,853	9,367

-- = Not Applicable.

- = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

² EIA is unable to report exports of renewable diesel fuel and other biofuels because of limitations of product classification information available in export data from the U.S. Census Bureau.

³ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: U.S. Census Bureau and EIA estimates.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, January 2023
(Thousand Barrels per Day)

Country of Origin	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins ²	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	995	-15	-	187	-	0	0	0	10	10
Algeria	20	-	-	20	-	-	-	-	-	-
Angola	0	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	8	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	252	-	-	108	-	-	-	-	-	-
Kuwait	12	-	-	-	-	-	-	-	-	-
Libya	60	-	-	-	-	-	-	-	-	-
Nigeria	184	-23	-	0	-	-	-	-	10	10
Saudi Arabia	427	-	-	62	-	-	-	-	-	-
United Arab Emirates	-	0	-	12	-	0	0	0	-	0
Venezuela	40	-	-	-14	-	-	-	-	-	-
Non-OPEC	1,768	-2,341	17	142	-	-776	-776	142	260	402
Argentina	63	-	-	0	-	-9	-9	-	16	16
Aruba	-	0	-	0	-	-	-	-	-	-
Australia	-28	0	-	0	-	-	-	-	-	-
Bahamas	-	-2	-	0	-	31	31	3	-14	-11
Bahrain	-	-	-	0	-	-	-	-	-	-
Belgium	-	-75	-	21	-	-	-	-	11	11
Brazil	77	-9	-	0	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	20	-	-	-	-	-	-	-	-	-
Canada	3,539	-28	17	-79	-	-1	-1	74	52	127
Chad	-	-	-	-	-	-	-	-	-	-
China	-276	-388	-	0	-	-	-	-	0	0
Colombia	129	-2	-	-30	-	-39	-39	-	-	-
Denmark	-63	-	-	-	-	-	-	-	-	-
Dominican Republic	-16	-40	-	-2	-	-18	-18	-	-	-
Ecuador	139	-33	-	24	-	-20	-20	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-23	-4	-	-	-	-	-	-	11	11
France	-177	-21	-	-1	-	15	15	9	6	16
Germany	-123	-	-	0	-	-	-	-	1	1
Guatemala	-	-13	-	-	-	-71	-71	-	-	-
Honduras	-	-20	-	0	-	-27	-27	-	0	0
India	-81	-94	-	25	-	1	1	-	41	41
Indonesia	-48	-128	-	-	-	-	-	-	-	-
Italy	-157	-43	-	15	-	-	-	5	69	74
Japan	-33	-553	-	0	-	-	-	0	-	0
Korea, South	-361	-99	-	0	-	3	3	0	6	6
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-24	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	0	-	-	-	-	-	-
Mexico	715	-225	-	100	-	-465	-465	-1	-23	-23
Netherlands	-481	-73	-	11	-	-	-	21	18	38
Norway	-66	-57	-	-5	-	10	10	-	21	21
Oman	-	-	-	0	-	-	-	-	-	-
Panama	-	-11	-	-	-	-37	-37	-	0	0
Portugal	-31	-	-	-	-	-	-	-	29	29
Puerto Rico	-	0	-	0	-	0	0	-	0	0
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-116	-16	-	10	-	-	-	-	19	19
Sweden	-79	-90	-	2	-	8	8	-	2	2
Trinidad and Tobago	29	3	-	-	-	0	0	-	-	-
United Kingdom	-216	-36	-	23	-	0	0	31	2	32
Vietnam	-	0	-	0	-	-	-	-	-	-
Virgin Islands, U.S.	-	-5	-	-1	-	-10	-10	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-544	-279	0	29	-	-147	-147	0	-7	-8
Total	2,763	-2,355	17	329	-	-776	-776	142	270	413
Persian Gulf⁵	691	0	-	182	-	0	0	0	-	0

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, January 2023
(Thousand Barrels per Day) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel ²	Other Biofuels ^{2,3}	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	-3	-	-	-	2	-	-	-	2	0	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	0	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	0	-	-	-	0	-	-
Saudi Arabia	-3	-	-	-	-	-	-	-	-	0	-
United Arab Emirates	0	-	-	-	2	-	-	-	2	0	-
Venezuela	0	-	-	-	0	-	-	-	0	-	-
Non-OPEC	-88	27	20	-	-510	-96	-61	-	-668	0	0
Argentina	-	-	-	-	-34	-	-10	-	-43	-	-
Aruba	0	-	-	-	-	-	-	-	-	0	-
Australia	0	-	-	-	-	-	-	-	-	-	-
Bahamas	0	-	-	-	-5	-	-6	-	-12	-	-
Bahrain	0	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-8	-	-	-	-8	-6	-
Brazil	0	-	-	-	-65	-	-	-	-65	-10	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-37	6	-	-	165	-6	-2	-	157	0	0
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	-	-	-	0	-	-	-	0	-	-
Colombia	-4	-	-	-	-7	-	-	-	-7	0	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Dominican Republic	0	-	-	-	-8	-	-5	-	-13	0	-
Ecuador	-	-	-	-	-46	-9	-9	-	-64	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-1	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	0	14	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-20	-26	-3	-	-49	0	-
Honduras	0	-	-	-	-10	-	-4	-	-14	0	-
India	-7	-	-	-	55	-	0	-	55	16	-
Indonesia	0	0	-	-	-	-	-	-	-	-	-
Italy	-	2	-	-	-	-	-	-	-	-	-
Japan	0	-	-	-	0	-	-	-	0	-	-
Korea, South	-11	1	-	-	1	-	-	-	1	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	0	-	-	-	-	-	-	-	-	-	-
Mexico	-4	0	-	-	-293	-4	0	-	-297	0	-
Netherlands	-6	-	-	-	-27	-	4	-	-24	-	-
Norway	-1	0	-	-	-5	-	0	-	-4	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Panama	-	-	-	-	-30	-12	-1	-	-43	0	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	0	-	-	-	-5	-	-	-	-5	-	-
Qatar	-	-	-	-	25	-	-	-	25	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-1	5	-	-	-	-	-	-	-	-	-
Sweden	-2	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-4	-	-	-	-4	-	-
United Kingdom	-14	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-6	-	-5	-	-10	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	0	-1	20	-	-183	-39	-20	-	-244	0	0
Total	-91	27	20	-	-508	-96	-61	-	-666	0	0
Persian Gulf⁵	-3	-	-	-	27	-	-	-	27	0	-

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, January 2023
(Thousand Barrels per Day) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks ²		Waxes	Petroleum Coke
					Naphtha	Other Oils		
OPEC	-	21	-	22	-	-	0	-6
Algeria	-	-	-	1	-	-	-	-
Angola	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	-	0	-	10	-	-	-	-
Kuwait	-	19	-	-	-	-	-	-6
Libya	-	-	-	-	-	-	0	-
Nigeria	-	-	-	-	-	-	0	-
Saudi Arabia	-	-	-	9	-	-	0	-
United Arab Emirates	-	2	-	-	-	-	0	-
Venezuela	-	0	-	-	-	-	-	-
Non-OPEC	-	-108	20	39	9	6	0	-628
Argentina	-	-	-	-	-	1	-	5
Aruba	-	-3	-	-	-	-	-	-
Australia	-	-	-	-	-	-	0	-5
Bahamas	-	-3	-	-22	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	8	-	-	-	-8
Brazil	-	-10	-	3	-	-	0	-58
Brunei	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	-	-37	3	11	3	3	0	-33
Chad	-	-	-	-	-	-	-	-
China	-	-	-	0	-	-	0	-108
Colombia	-	-	-	27	-	-	0	6
Denmark	-	-	-	-	-	-	-	-
Dominican Republic	-	-6	-	-10	-	-	0	-7
Ecuador	-	-	-	4	-	-	0	-6
Estonia	-	-	-	-	-	-	-	-
Finland	-	-	-	1	-	-	-	-
France	-	-	-	-9	-	-	0	-6
Germany	-	-	0	-	-	-	0	0
Guatemala	-	-8	-	-	-	-	0	-24
Honduras	-	-1	-	-	-	-	0	-9
India	-	8	-	8	-	-	0	-89
Indonesia	-	-	-	-	-	-	0	-
Italy	-	-	-	-	3	-	0	-25
Japan	-	-	-	0	-	-	0	-34
Korea, South	-	70	13	-	-	-	0	-9
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	0	-
Malaysia	-	0	-	0	-	-	0	0
Mexico	-	-55	-	38	2	3	-1	-24
Netherlands	-	-	2	-4	-	-	0	-2
Norway	-	-	-	-	-	-	-	-4
Oman	-	-	-	-	-	-	-	-
Panama	-	-15	-	-14	-	-	0	-
Portugal	-	-	-	-	-	-	0	-
Puerto Rico	-	0	-	-	-	-	0	-
Qatar	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	0	-15
Sweden	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	0
United Kingdom	-	-	-	0	-	-	0	-6
Vietnam	-	0	-	-	-	-	0	-
Virgin Islands, U.S.	-	-18	-	-11	-	-	-	-
Yemen	-	-	-	-	-	-	-	-
Other	-	-30	2	9	1	-1	1	-167
Total	-	-87	20	61	9	6	0	-634
Persian Gulf⁵	-	21	-	18	-	-	0	-6

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, January 2023
(Thousand Barrels per Day) — Continued

Country of Origin	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products ⁴	Total Crude Oil and Products ⁴
OPEC	-6	6	-	219	1,214
Algeria	-	-	-	21	41
Angola	-	-	-	-	0
Congo (Brazzaville)	-	-	-	-	3
Equatorial Guinea	-	0	-	8	8
Gabon	-	-	-	-	-
Iran	-	-	-	-	-
Iraq	-	0	-	118	370
Kuwait	-	0	-	12	24
Libya	-	0	-	0	60
Nigeria	-6	0	-	-19	165
Saudi Arabia	-	0	-	68	495
United Arab Emirates	0	7	-	22	22
Venezuela	-	0	-	-15	25
Non-OPEC	36	-56	-3	-3,946	-2,178
Argentina	-	0	-1	-32	32
Aruba	-	0	-	-3	-3
Australia	0	0	0	-5	-33
Bahamas	0	0	0	-18	-18
Bahrain	0	0	-	0	0
Belgium	0	-15	0	-71	-71
Brazil	0	-12	0	-160	-83
Brunei	-	-	-	-	-
Cameroon	-	0	-	0	20
Canada	45	1	0	158	3,698
Chad	-	0	-	0	0
China	0	0	0	-497	-773
Colombia	2	-3	0	-49	80
Denmark	-	-	-	-	-63
Dominican Republic	0	-1	-	-96	-112
Ecuador	0	-2	0	-99	41
Estonia	-	-	-	-	-
Finland	-	0	-	6	-17
France	-	-2	-	-7	-184
Germany	0	0	-	15	-108
Guatemala	-	0	-1	-165	-165
Honduras	-1	0	-	-73	-73
India	0	-1	0	-37	-118
Indonesia	0	2	0	-126	-174
Italy	-	0	0	27	-130
Japan	0	0	0	-588	-621
Korea, South	-	6	0	-18	-379
Latvia	-	0	-	0	0
Lithuania	-	0	0	0	-24
Malaysia	-	0	0	1	1
Mexico	-3	-27	-1	-984	-268
Netherlands	0	0	0	-55	-536
Norway	-	0	-	-40	-107
Oman	-	0	-	0	0
Panama	-	-1	-	-120	-120
Portugal	-	-	-	29	-2
Puerto Rico	0	0	-	-6	-6
Qatar	-	10	-	35	35
Russia	-	-	-	-	-
Spain	3	0	-	6	-110
Sweden	-	0	-	-80	-159
Trinidad and Tobago	0	0	-	-1	27
United Kingdom	-	0	-	-1	-217
Vietnam	-	0	0	0	0
Virgin Islands, U.S.	0	0	-	-56	-56
Yemen	-	-	-	-	-
Other	-10	-11	0	-836	-1,382
Total	31	-50	-3	-3,728	-964
Persian Gulf⁵	0	16	-	255	946

-- = Not Applicable.

- = No Data Reported.

1 On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

2 Quantities are gross imports because exports are excluded from EIA data.

3 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

4 Includes gross imports of refinery olefins, renewable diesel, other biofuels, and petrochemical feedstocks. See footnote 2.

5 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: U.S. Census Bureau and EIA estimates.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-January 2023
(Thousand Barrels per Day)

Country of Origin	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins ²	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	995	-15	-	187	-	0	0	0	10	10
Algeria	20	-	-	20	-	-	-	-	-	-
Angola	0	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	8	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	252	-	-	108	-	-	-	-	-	-
Kuwait	12	-	-	-	-	-	-	-	-	-
Libya	60	-	-	-	-	-	-	-	-	-
Nigeria	184	-23	-	0	-	-	-	-	10	10
Saudi Arabia	427	-	-	62	-	-	-	-	-	-
United Arab Emirates	-	0	-	12	-	0	0	0	-	0
Venezuela	40	-	-	-14	-	-	-	-	-	-
Non-OPEC	1,768	-2,341	17	142	-	-776	-776	142	260	402
Argentina	63	-	-	0	-	-9	-9	-	16	16
Aruba	-	0	-	0	-	-	-	-	-	-
Australia	-28	0	-	0	-	-	-	-	-	-
Bahamas	-	-2	-	0	-	31	31	3	-14	-11
Bahrain	-	-	-	0	-	-	-	-	-	-
Belgium	-	-75	-	21	-	-	-	-	11	11
Brazil	77	-9	-	0	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	20	-	-	-	-	-	-	-	-	-
Canada	3,539	-28	17	-79	-	-1	-1	74	52	127
Chad	-	-	-	-	-	-	-	-	-	-
China	-276	-388	-	0	-	-	-	-	0	0
Colombia	129	-2	-	-30	-	-39	-39	-	-	-
Denmark	-63	-	-	-	-	-	-	-	-	-
Dominican Republic	-16	-40	-	-2	-	-18	-18	-	-	-
Ecuador	139	-33	-	24	-	-20	-20	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-23	-4	-	-	-	-	-	-	11	11
France	-177	-21	-	-1	-	15	15	9	6	16
Germany	-123	-	-	0	-	-	-	-	1	1
Guatemala	-	-13	-	-	-	-71	-71	-	-	-
Honduras	-	-20	-	0	-	-27	-27	-	0	0
India	-81	-94	-	25	-	1	1	-	41	41
Indonesia	-48	-128	-	-	-	-	-	-	-	-
Italy	-157	-43	-	15	-	-	-	5	69	74
Japan	-33	-553	-	0	-	-	-	0	-	0
Korea, South	-361	-99	-	0	-	3	3	0	6	6
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-24	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	0	-	-	-	-	-	-
Mexico	715	-225	-	100	-	-465	-465	-1	-23	-23
Netherlands	-481	-73	-	11	-	-	-	21	18	38
Norway	-66	-57	-	-5	-	10	10	-	21	21
Oman	-	-	-	0	-	-	-	-	-	-
Panama	-	-11	-	-	-	-37	-37	-	0	0
Portugal	-31	-	-	-	-	-	-	-	29	29
Puerto Rico	-	0	-	0	-	0	0	-	0	0
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-116	-16	-	10	-	-	-	-	19	19
Sweden	-79	-90	-	2	-	8	8	-	2	2
Trinidad and Tobago	29	3	-	-	-	0	0	-	-	-
United Kingdom	-216	-36	-	23	-	0	0	31	2	32
Vietnam	-	0	-	0	-	-	-	-	-	-
Virgin Islands, U.S.	-	-5	-	-1	-	-10	-10	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-544	-279	0	29	-	-147	-147	0	-7	-8
Total	2,763	-2,355	17	329	-	-776	-776	142	270	413
Persian Gulf⁵	691	0	-	182	-	0	0	0	-	0

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-January 2023
(Thousand Barrels per Day) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel ²	Other Biofuels ^{2,3}	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	-3	-	-	-	2	-	-	-	2	0	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	0	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	0	-	-	-	0	-	-
Saudi Arabia	-3	-	-	-	-	-	-	-	-	0	-
United Arab Emirates	0	-	-	-	2	-	-	-	2	0	-
Venezuela	0	-	-	-	0	-	-	-	0	-	-
Non-OPEC	-88	27	20	-	-510	-96	-61	-	-668	0	0
Argentina	-	-	-	-	-34	-	-10	-	-43	-	-
Aruba	0	-	-	-	-	-	-	-	-	0	-
Australia	0	-	-	-	-	-	-	-	-	-	-
Bahamas	0	-	-	-	-5	-	-6	-	-12	-	-
Bahrain	0	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-8	-	-	-	-8	-6	-
Brazil	0	-	-	-	-65	-	-	-	-65	-10	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-37	6	-	-	165	-6	-2	-	157	0	0
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	-	-	-	0	-	-	-	0	-	-
Colombia	-4	-	-	-	-7	-	-	-	-7	0	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Dominican Republic	0	-	-	-	-8	-	-5	-	-13	0	-
Ecuador	-	-	-	-	-46	-9	-9	-	-64	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-1	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	0	14	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-20	-26	-3	-	-49	0	-
Honduras	0	-	-	-	-10	-	-4	-	-14	0	-
India	-7	-	-	-	55	-	0	-	55	16	-
Indonesia	0	0	-	-	-	-	-	-	-	-	-
Italy	-	2	-	-	-	-	-	-	-	-	-
Japan	0	-	-	-	0	-	-	-	0	-	-
Korea, South	-11	1	-	-	1	-	-	-	1	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	0	-	-	-	-	-	-	-	-	-	-
Mexico	-4	0	-	-	-293	-4	0	-	-297	0	-
Netherlands	-6	-	-	-	-27	-	4	-	-24	-	-
Norway	-1	0	-	-	-5	-	0	-	-4	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Panama	-	-	-	-	-30	-12	-1	-	-43	0	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	0	-	-	-	-5	-	-	-	-5	-	-
Qatar	-	-	-	-	25	-	-	-	25	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-1	5	-	-	-	-	-	-	-	-	-
Sweden	-2	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-4	-	-	-	-4	-	-
United Kingdom	-14	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-6	-	-5	-	-10	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	0	-1	20	-	-183	-39	-20	-	-244	0	0
Total	-91	27	20	-	-508	-96	-61	-	-666	0	0
Persian Gulf⁵	-3	-	-	-	27	-	-	-	27	0	-

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-January 2023
(Thousand Barrels per Day) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks ²		Waxes	Petroleum Coke
					Naphtha	Other Oils		
OPEC	-	21	-	22	-	-	0	-6
Algeria	-	-	-	1	-	-	-	-
Angola	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	-	0	-	10	-	-	-	-
Kuwait	-	19	-	-	-	-	-	-6
Libya	-	-	-	-	-	-	0	-
Nigeria	-	-	-	-	-	-	0	-
Saudi Arabia	-	-	-	9	-	-	0	-
United Arab Emirates	-	2	-	-	-	-	0	-
Venezuela	-	0	-	-	-	-	-	-
Non-OPEC	-	-108	20	39	9	6	0	-628
Argentina	-	-	-	-	-	1	-	5
Aruba	-	-3	-	-	-	-	-	-
Australia	-	-	-	-	-	-	0	-5
Bahamas	-	-3	-	-22	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	8	-	-	-	-8
Brazil	-	-10	-	3	-	-	0	-58
Brunei	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	-	-37	3	11	3	3	0	-33
Chad	-	-	-	-	-	-	-	-
China	-	-	-	0	-	-	0	-108
Colombia	-	-	-	27	-	-	0	6
Denmark	-	-	-	-	-	-	-	-
Dominican Republic	-	-6	-	-10	-	-	0	-7
Ecuador	-	-	-	4	-	-	0	-6
Estonia	-	-	-	-	-	-	-	-
Finland	-	-	-	1	-	-	-	-
France	-	-	-	-9	-	-	0	-6
Germany	-	-	0	-	-	-	0	0
Guatemala	-	-8	-	-	-	-	0	-24
Honduras	-	-1	-	-	-	-	0	-9
India	-	8	-	8	-	-	0	-89
Indonesia	-	-	-	-	-	-	0	-
Italy	-	-	-	-	3	-	0	-25
Japan	-	-	-	0	-	-	0	-34
Korea, South	-	70	13	-	-	-	0	-9
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	0	-
Malaysia	-	0	-	0	-	-	0	0
Mexico	-	-55	-	38	2	3	-1	-24
Netherlands	-	-	2	-4	-	-	0	-2
Norway	-	-	-	-	-	-	-	-4
Oman	-	-	-	-	-	-	-	-
Panama	-	-15	-	-14	-	-	0	-
Portugal	-	-	-	-	-	-	0	-
Puerto Rico	-	0	-	-	-	-	0	-
Qatar	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	0	-15
Sweden	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	0
United Kingdom	-	-	-	0	-	-	0	-6
Vietnam	-	0	-	-	-	-	0	-
Virgin Islands, U.S.	-	-18	-	-11	-	-	-	-
Yemen	-	-	-	-	-	-	-	-
Other	-	-30	2	9	1	-1	1	-167
Total	-	-87	20	61	9	6	0	-634
Persian Gulf⁵	-	21	-	18	-	-	0	-6

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-January 2023
(Thousand Barrels per Day) — Continued

Country of Origin	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products ⁴	Total Crude Oil and Products ⁴
OPEC	-6	6	-	219	1,214
Algeria	-	-	-	21	41
Angola	-	-	-	-	0
Congo (Brazzaville)	-	-	-	-	3
Equatorial Guinea	-	0	-	8	8
Gabon	-	-	-	-	-
Iran	-	-	-	-	-
Iraq	-	0	-	118	370
Kuwait	-	0	-	12	24
Libya	-	0	-	0	60
Nigeria	-6	0	-	-19	165
Saudi Arabia	-	0	-	68	495
United Arab Emirates	0	7	-	22	22
Venezuela	-	0	-	-15	25
Non-OPEC	36	-56	-3	-3,946	-2,178
Argentina	-	0	-1	-32	32
Aruba	-	0	-	-3	-3
Australia	0	0	0	-5	-33
Bahamas	0	0	0	-18	-18
Bahrain	0	0	-	0	0
Belgium	0	-15	0	-71	-71
Brazil	0	-12	0	-160	-83
Brunei	-	-	-	-	-
Cameroon	-	0	-	0	20
Canada	45	1	0	158	3,698
Chad	-	0	-	0	0
China	0	0	0	-497	-773
Colombia	2	-3	0	-49	80
Denmark	-	-	-	-	-63
Dominican Republic	0	-1	-	-96	-112
Ecuador	0	-2	0	-99	41
Estonia	-	-	-	-	-
Finland	-	0	-	6	-17
France	-	-2	-	-7	-184
Germany	0	0	-	15	-108
Guatemala	-	0	-1	-165	-165
Honduras	-1	0	-	-73	-73
India	0	-1	0	-37	-118
Indonesia	0	2	0	-126	-174
Italy	-	0	0	27	-130
Japan	0	0	0	-588	-621
Korea, South	-	6	0	-18	-379
Latvia	-	0	-	0	0
Lithuania	-	0	0	0	-24
Malaysia	-	0	0	1	1
Mexico	-3	-27	-1	-984	-268
Netherlands	0	0	0	-55	-536
Norway	-	0	-	-40	-107
Oman	-	0	-	0	0
Panama	-	-1	-	-120	-120
Portugal	-	-	-	29	-2
Puerto Rico	0	0	-	-6	-6
Qatar	-	10	-	35	35
Russia	-	-	-	-	-
Spain	3	0	-	6	-110
Sweden	-	0	-	-80	-159
Trinidad and Tobago	0	0	-	-1	27
United Kingdom	-	0	-	-1	-217
Vietnam	-	0	0	0	0
Virgin Islands, U.S.	0	0	-	-56	-56
Yemen	-	-	-	-	-
Other	-10	-11	0	-836	-1,382
Total	31	-50	-3	-3,728	-964
Persian Gulf⁵	0	16	-	255	946

-- = Not Applicable.

- = No Data Reported.

1 On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

2 Quantities are gross imports because exports are excluded from EIA data.

3 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

4 Includes gross imports of refinery olefins, renewable diesel, other biofuels, and petrochemical feedstocks. See footnote 2.

5 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: U.S. Census Bureau and EIA estimates.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, January 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Crude Oil	7,164	123,949	627,593	24,675	48,005	831,386
Refinery	5,106	13,611	46,318	2,489	20,191	87,715
Tank Farms and Pipelines (Includes Cushing, OK)	2,058	110,338	209,696	22,186	23,620	367,898
Cushing, Oklahoma	--	38,960	--	--	--	38,960
Leases	--	--	--	--	--	--
Strategic Petroleum Reserve ¹	--	--	371,579	--	--	371,579
Alaskan In Transit	--	--	--	--	4,194	4,194
Total Stocks, All Oils (excluding Crude Oil)²	140,365	177,078	363,379	23,608	90,340	794,770
Refinery	12,954	48,422	118,958	9,957	47,867	238,158
Bulk Terminal	99,410	89,643	184,490	6,809	37,633	417,985
Pipeline	27,709	37,766	58,622	6,693	4,605	135,395
Natural Gas Processing Plant	292	1,247	1,309	149	235	3,232
Natural Gas Liquids	9,227	47,224	121,083	5,334	3,132	186,000
Refinery	456	3,036	4,496	288	1,306	9,582
Bulk Terminal	6,355	23,876	92,057	405	1,591	124,284
Pipeline	2,124	19,065	23,221	4,492	--	48,902
Natural Gas Processing Plant	292	1,247	1,309	149	235	3,232
Ethane	991	6,623	43,990	914	--	52,518
Refinery	--	--	26	--	--	26
Bulk Terminal	426	2,880	35,155	--	--	38,461
Pipeline	565	3,658	8,755	910	--	13,888
Natural Gas Processing Plant	--	85	54	4	--	143
Propane	6,354	19,960	39,104	2,041	1,153	68,612
Refinery	123	1,018	1,108	37	110	2,396
Bulk Terminal	4,783	14,036	30,507	248	982	50,556
Pipeline	1,297	4,332	7,292	1,698	--	14,619
Natural Gas Processing Plant	151	574	197	58	61	1,041
Normal Butane	1,570	6,836	19,010	1,027	1,573	30,016
Refinery	286	1,081	2,130	145	854	4,496
Bulk Terminal	1,042	4,436	14,236	139	606	20,459
Pipeline	179	1,106	2,518	713	--	4,516
Natural Gas Processing Plant	63	213	126	30	113	545
Isobutane	110	2,335	8,722	476	387	12,030
Refinery	47	588	899	102	340	1,976
Bulk Terminal	--	672	5,766	--	--	6,438
Pipeline	44	938	1,500	359	--	2,841
Natural Gas Processing Plant	19	137	557	15	47	775
Natural Gasoline	202	11,470	10,257	876	19	22,824
Refinery	--	349	333	4	2	688
Bulk Terminal	104	1,852	6,393	18	3	8,370
Pipeline	39	9,031	3,156	812	--	13,038
Natural Gas Processing Plant	59	238	375	42	14	728
Refinery Olefins	292	317	1,123	105	24	1,861
Refinery	292	317	1,123	105	24	1,861
Ethylene	--	--	0	--	--	0
Refinery	--	--	0	--	--	0
Propylene	135	313	500	3	12	963
Refinery	135	313	500	3	12	963
Normal Butylene	144	4	623	102	12	885
Refinery	144	4	623	102	12	885
Isobutylene	13	0	0	0	0	13
Refinery	13	0	0	0	0	13
Other Hydrocarbons	--	11	--	--	--	11
Refinery	--	11	--	--	--	11
Biofuels (Including Fuel Ethanol)²	8,914	11,767	6,365	717	5,704	33,466
Refinery	239	113	1,196	102	1,078	2,728
Bulk Terminal	8,675	11,654	5,169	611	4,626	30,734
Pipeline	--	--	--	4	--	4
Fuel Ethanol	7,768	10,267	4,471	411	2,465	25,383
Refinery	232	93	1,092	92	141	1,650
Bulk Terminal	7,536	10,174	3,379	315	2,324	23,729
Pipeline	--	--	--	4	--	4
Biodiesel	1,146	1,343	845	15	948	4,297
Refinery	7	20	104	10	9	150
Bulk Terminal	1,139	1,323	741	5	939	4,147
Pipeline	--	--	--	--	--	--
Renewable Diesel Fuel	--	119	939	264	2,236	3,557
Refinery	--	--	--	--	928	928
Bulk Terminal	--	119	939	264	1,308	2,629
Pipeline	--	--	--	--	--	--
Other Biofuels³	--	38	109	27	55	229
Refinery	--	--	--	--	--	--
Bulk Terminal	--	38	109	27	55	229
Pipeline	--	--	--	--	--	--

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, January 2023
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Unfinished Oils	3,711	13,009	47,148	3,082	18,143	85,093
Naphthas and Lighter	913	2,989	10,422	726	2,795	17,845
Refinery	913	2,976	9,584	726	2,553	16,752
Bulk Terminal	--	--	--	--	--	--
Kerosene and Light Gas Oils	447	2,573	8,896	818	3,287	16,021
Refinery	447	2,573	6,781	818	3,228	13,847
Bulk Terminal	--	--	2,115	--	59	2,174
Heavy Gas Oils	1,767	5,529	21,200	1,052	8,453	38,001
Refinery	1,760	5,206	18,379	1,052	7,890	34,287
Bulk Terminal	7	323	2,821	--	563	3,714
Residuum	584	1,918	6,630	486	3,608	13,226
Refinery	584	1,918	6,630	486	3,608	13,226
Bulk Terminal	--	--	--	--	--	--
Motor Gasoline Blending Components²	58,669	47,039	81,332	5,827	30,139	223,005
Refinery	3,646	14,156	27,724	2,640	13,637	61,803
Bulk Terminal	42,491	24,562	35,766	2,037	14,149	119,004
Pipeline	12,532	8,321	17,842	1,150	2,353	42,198
Reformulated - RBOB	20,525	4,939	11,082	--	14,914	51,461
Refinery	1,232	1,030	1,469	--	5,218	8,949
Bulk Terminal	15,554	3,479	5,718	--	8,183	32,935
Pipeline	3,739	430	3,895	--	1,513	9,577
Conventional	38,144	42,099	70,250	5,827	15,224	171,544
Refinery	2,414	13,126	26,255	2,640	8,419	52,854
Bulk Terminal	26,937	21,082	30,048	2,037	5,965	86,069
Pipeline	8,793	7,891	13,947	1,150	840	32,621
CBOB	28,640	34,205	39,365	4,618	8,389	115,217
Refinery	269	6,795	11,957	1,434	2,628	23,083
Bulk Terminal	19,933	19,561	13,735	2,034	4,923	60,186
Pipeline	8,438	7,849	13,673	1,150	838	31,948
GTAB	582	--	--	--	--	582
Refinery	--	--	--	--	--	--
Bulk Terminal	582	--	--	--	--	582
Pipeline	--	--	--	--	--	--
Other	8,922	7,894	30,885	1,209	6,835	55,745
Refinery	2,145	6,331	14,298	1,206	5,791	29,771
Bulk Terminal	6,422	1,521	16,313	3	1,042	25,301
Pipeline	355	42	274	--	2	673
Aviation Gasoline Blending Components	--	--	26	--	--	26
Refinery	--	--	26	--	--	26
Bulk Terminal	--	--	--	--	--	--
Finished Motor Gasoline	3,314	3,509	6,277	1,560	2,040	16,700
Refinery	42	585	2,705	949	797	5,078
Bulk Terminal	944	1,056	3,155	407	1,223	6,785
Pipeline	2,328	1,868	417	204	20	4,837
Reformulated	5	--	--	--	18	23
Refinery	--	--	--	--	18	18
Bulk Terminal	5	--	--	--	--	5
Pipeline	--	--	--	--	--	--
Reformulated (Blended with Fuel Ethanol)	5	--	--	--	18	23
Refinery	--	--	--	--	18	18
Bulk Terminal	5	--	--	--	--	5
Pipeline	--	--	--	--	--	--
Reformulated (Other)	--	--	--	--	--	--
Refinery	--	--	--	--	--	--
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Conventional	3,309	3,509	6,277	1,560	2,022	16,677
Refinery	42	585	2,705	949	779	5,060
Bulk Terminal	939	1,056	3,155	407	1,223	6,780
Pipeline	2,328	1,868	417	204	20	4,837
Conventional (Blended with Fuel Ethanol)	--	122	--	57	30	209
Refinery	--	--	--	54	--	54
Bulk Terminal	--	122	--	3	30	155
Pipeline	--	--	--	--	--	--
Ed55 and Lower	--	122	--	57	--	179
Refinery	--	--	--	54	--	54
Bulk Terminal	--	122	--	3	--	125
Pipeline	--	--	--	--	--	--
Greater than Ed55	--	--	--	--	30	30
Refinery	--	--	--	--	--	--
Bulk Terminal	--	--	--	--	30	30
Pipeline	--	--	--	--	--	--
Conventional (Other)	3,309	3,387	6,277	1,503	1,992	16,468
Refinery	42	585	2,705	895	779	5,006
Bulk Terminal	939	934	3,155	404	1,193	6,625
Pipeline	2,328	1,868	417	204	20	4,837

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, January 2023
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Finished Aviation Gasoline	194	234	578	9	321	1,336
Refinery	—	50	400	9	197	656
Bulk Terminal	194	184	178	—	124	680
Pipeline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	7,507	7,130	12,261	625	8,341	35,864
Refinery	544	1,970	5,397	211	3,188	11,310
Bulk Terminal	3,514	3,445	2,812	301	4,336	14,408
Pipeline	3,449	1,715	4,052	113	817	10,146
Kerosene	961	138	329	1	11	1,440
Refinery	107	118	83	1	2	311
Bulk Terminal	837	20	237	—	9	1,103
Pipeline	17	—	9	—	—	26
Distillate Fuel Oil²	33,242	29,215	44,063	3,951	12,542	123,013
Refinery	1,811	6,273	14,963	1,580	4,744	29,371
Bulk Terminal	24,172	16,145	16,025	1,641	6,383	64,366
Pipeline	7,259	6,797	13,075	730	1,415	29,276
15 ppm sulfur and Under	31,180	28,474	37,883	3,745	11,831	113,113
Refinery	1,376	5,898	12,577	1,413	4,278	25,542
Bulk Terminal	22,653	15,951	12,395	1,602	6,190	58,791
Pipeline	7,151	6,625	12,911	730	1,363	28,780
Greater than 15 ppm to 500 ppm sulfur	598	321	1,035	147	237	2,338
Refinery	139	132	607	108	205	1,191
Bulk Terminal	459	22	331	39	—	851
Pipeline	—	167	97	—	32	296
Greater than 500 ppm sulfur	1,464	420	5,145	59	474	7,562
Refinery	296	243	1,779	59	261	2,638
Bulk Terminal	1,060	172	3,299	—	193	4,724
Pipeline	108	5	67	—	20	200
Residual Fuel Oil	6,137	1,059	20,024	218	4,673	32,111
Refinery	256	887	4,278	218	2,470	8,109
Bulk Terminal	5,881	172	15,746	—	2,203	24,002
Pipeline	—	—	—	—	—	—
Less than 0.31% Sulfur	292	246	1,523	27	674	2,762
Refinery	15	238	55	27	20	355
Bulk Terminal	277	8	1,468	—	654	2,407
0.31% to 1.00% Sulfur	809	188	5,290	5	610	6,902
Refinery	29	186	1,038	5	344	1,602
Bulk Terminal	780	2	4,252	—	266	5,300
Greater than 1.00% Percent Sulfur	5,036	625	13,211	186	3,389	22,447
Refinery	212	463	3,185	186	2,106	6,152
Bulk Terminal	4,824	162	10,026	—	1,283	16,295
Petrochemical Feedstocks	—	499	2,110	—	—	2,609
Refinery	—	499	2,110	—	—	2,609
Naphtha for Petrochemical Feedstock Use	—	380	1,606	—	—	1,986
Other Oils for Petrochemical Feedstock Use	—	119	504	—	—	623
Special Naphthas	46	126	809	—	60	1,041
Refinery	24	60	801	—	60	945
Bulk Terminal	22	66	8	—	—	96
Lubricants	1,515	715	9,769	—	1,043	13,042
Refinery	943	220	6,053	—	820	8,036
Bulk Terminal	572	495	3,716	—	223	5,006
Waxes	232	53	298	—	—	583
Refinery	232	53	298	—	—	583
Petroleum Coke	—	3,091	3,208	131	1,179	7,609
Refinery	—	3,091	3,208	131	1,179	7,609
Asphalt and Road Oil	6,332	11,720	5,893	2,034	2,916	28,895
Refinery	586	4,185	2,166	627	1,014	8,578
Bulk Terminal	5,746	7,535	3,727	1,407	1,902	20,317
Miscellaneous Products	72	223	684	14	72	1,065
Refinery	72	125	557	14	72	840
Bulk Terminal	—	98	121	—	—	219
Pipeline	—	—	6	—	—	6
Total Stocks, All Oils	147,529	301,027	990,972	48,283	138,345	1,626,156

-- = Not Applicable.

- = No Data Reported.

1 Crude oil stocks in the Strategic Petroleum Reserve include non-U.S. stocks held under foreign or commercial storage agreements.

2 Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D. Includes stocks held at biofuel production facilities.

3 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene."

Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, January 2023
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components ¹			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
PAD District 1	5	981	986	16,786	29,351	46,137	944
Connecticut	–	–	–	1,016	8	1,024	41
Delaware	–	–	–	947	399	1,346	98
District of Columbia	–	–	–	–	–	–	–
Florida	–	482	482	–	6,899	6,899	–
Georgia	–	72	72	–	2,723	2,723	–
Maine	–	–	–	27	497	524	155
Maryland	–	–	–	1,055	87	1,142	20
Massachusetts	4	–	4	1,232	–	1,232	–
New Hampshire	–	–	–	–	–	–	–
New Jersey	–	159	159	8,249	8,579	16,828	176
New York	1	–	1	1,266	1,445	2,711	310
North Carolina	–	56	56	–	2,353	2,353	7
Pennsylvania	–	–	–	663	3,890	4,553	68
Rhode Island	–	–	–	1,006	1	1,007	–
South Carolina	–	124	124	–	1,256	1,256	16
Vermont	–	–	–	–	31	31	4
Virginia	–	23	23	1,325	1,043	2,368	49
West Virginia	–	65	65	–	140	140	–
PAD District 2	–	1,641	1,641	4,509	34,208	38,718	138
Illinois	–	44	44	2,636	4,590	7,226	62
Indiana	–	77	77	770	4,433	5,203	1
Iowa	–	39	39	–	1,685	1,685	–
Kansas	–	213	213	–	2,959	2,959	16
Kentucky	–	76	76	291	1,672	1,963	–
Michigan	–	7	7	83	2,770	2,853	–
Minnesota	–	310	310	0	2,803	2,803	–
Missouri	–	122	122	275	783	1,058	–
Nebraska	–	44	44	–	577	577	–
North Dakota	–	37	37	–	969	969	–
Ohio	–	295	295	–	3,749	3,749	19
Oklahoma	–	201	201	–	2,949	2,949	38
South Dakota	–	33	33	–	417	417	–
Tennessee	–	48	48	–	2,313	2,313	–
Wisconsin	–	95	95	454	1,539	1,993	2
PAD District 3	–	5,860	5,860	7,187	56,303	63,490	320
Alabama	–	68	68	4	1,177	1,181	2
Arkansas	–	118	118	–	971	971	–
Louisiana	–	759	759	154	13,061	13,215	1
Mississippi	–	1,178	1,178	7	2,413	2,420	–
New Mexico	–	26	26	6	548	554	–
Texas	–	3,711	3,711	7,016	38,133	45,149	317
PAD District 4	–	1,356	1,356	–	4,677	4,677	1
Colorado	–	240	240	–	1,112	1,112	–
Idaho	–	33	33	–	412	412	–
Montana	–	376	376	–	1,331	1,331	–
Utah	–	115	115	–	968	968	1
Wyoming	–	592	592	–	854	854	–
PAD District 5	18	2,002	2,020	13,401	14,384	27,786	11
Alaska	–	280	280	–	650	650	9
Arizona	–	96	96	868	334	1,202	–
California	18	390	408	12,247	6,746	18,994	2
Hawaii	–	427	427	–	399	399	–
Nevada	–	124	124	17	251	268	–
Oregon	–	78	78	–	2,034	2,034	–
Washington	–	607	607	269	3,970	4,239	–
U.S. Total	23	11,840	11,863	41,884	138,923	180,807	1,414

See footnotes at end of table.

Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, January 2023
(Thousand Barrels) — Continued

Commodity	Distillate Fuel Oil ¹				Residual Fuel Oil	Propane
	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	Greater than 500 ppm	Total		
PAD District 1	24,029	598	1,356	25,983	6,137	5,057
Connecticut	1,670	—	—	1,670	13	—
Delaware	387	71	60	518	683	12
District of Columbia	—	—	—	—	—	—
Florida	2,070	119	—	2,189	1,024	174
Georgia	1,425	—	—	1,425	236	13
Maine	1,216	2	—	1,218	67	—
Maryland	811	—	—	811	233	—
Massachusetts	1,093	7	—	1,100	120	—
New Hampshire	620	—	—	620	31	140
New Jersey	5,117	77	663	5,857	3,085	113
New York	2,782	—	291	3,073	234	1,160
North Carolina	1,195	—	—	1,195	—	455
Pennsylvania	2,699	—	62	2,761	226	2,258
Rhode Island	787	—	—	787	—	—
South Carolina	773	—	—	773	102	400
Vermont	9	—	—	9	—	—
Virginia	1,211	257	280	1,748	83	5
West Virginia	164	65	—	229	—	101
PAD District 2	21,849	154	415	22,418	1,059	15,628
Illinois	2,804	—	1	2,805	220	924
Indiana	2,568	—	138	2,706	266	311
Iowa	2,221	1	—	2,222	—	261
Kansas	2,267	—	—	2,267	34	9,942
Kentucky	778	—	—	778	—	106
Michigan	1,361	—	—	1,361	161	2,872
Minnesota	1,972	—	52	2,024	140	190
Missouri	676	8	37	721	—	93
Nebraska	842	—	—	842	—	279
North Dakota	771	—	—	771	45	44
Ohio	1,471	13	79	1,563	99	468
Oklahoma	1,270	132	108	1,510	69	80
South Dakota	676	—	—	676	—	13
Tennessee	984	—	—	984	24	6
Wisconsin	1,187	—	—	1,187	1	39
PAD District 3	24,972	938	5,078	30,988	20,024	31,812
Alabama	859	—	36	895	329	12
Arkansas	636	—	—	636	—	30
Louisiana	5,220	422	1,273	6,915	8,988	2,523
Mississippi	877	269	64	1,210	665	1,294
New Mexico	331	—	—	331	85	4
Texas	17,049	247	3,705	21,001	9,957	27,949
PAD District 4	3,015	147	59	3,221	218	343
Colorado	675	—	—	675	3	14
Idaho	198	—	—	198	—	—
Montana	978	80	—	1,058	73	25
Utah	460	22	59	541	59	257
Wyoming	704	45	—	749	83	47
PAD District 5	10,468	205	454	11,127	4,673	1,153
Alaska	1,012	—	43	1,055	112	2
Arizona	622	—	—	622	—	414
California	5,027	205	250	5,482	2,927	244
Hawaii	258	—	159	417	851	57
Nevada	400	—	2	402	—	—
Oregon	980	—	—	980	166	—
Washington	2,169	—	—	2,169	617	436
U.S. Total	84,333	2,042	7,362	93,737	32,111	53,993

— = No Data Reported.

¹ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D. Includes stocks held at biofuel production facilities.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene."

Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, January 2023
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
Crude Oil	329	30	0	1,590	51,517	5,631	3,045	2,347	23,899
Petroleum Products	16,666	49	0	20,686	43,966	13,592	4,637	103,183	20,297
Natural Gas Liquids	7,347	37	0	7,093	31,868	8,682	1,044	2,662	13,468
Ethane	5,377	0	—	441	14,144	2,018	—	0	1,111
Propane	1,095	9	0	4,958	8,971	3,456	310	2,641	2,058
Normal Butane	239	1	0	1,645	4,115	1,451	682	21	884
Isobutane	397	27	0	49	1,557	514	52	0	1,128
Natural Gasoline	239	0	—	0	3,081	1,243	—	0	8,287
Refinery Olefins	0	0	—	196	416	—	—	0	0
Ethylene	—	—	—	—	—	—	—	—	—
Propylene	0	0	—	196	416	—	—	0	0
Normal Butylene	—	—	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—	—	—
Unfinished Oils	57	0	—	0	1,167	—	—	30	138
Motor Gasoline Blending Components	6,601	0	0	1,681	1,607	2,117	0	57,948	2,627
Reformulated - RBOB	0	0	0	0	231	—	0	6,894	435
Conventional	6,601	0	0	1,681	1,376	2,117	0	51,054	2,192
CBOB	6,601	0	0	1,681	1,273	2,117	0	50,283	2,192
GTAB	—	—	—	—	—	—	—	—	—
Other	0	0	—	0	103	—	—	771	0
Biofuels (including Fuel Ethanol)	0	0	0	7,962	5,441	567	3,411	0	0
Fuel Ethanol	0	0	0	7,776	5,106	552	3,066	0	0
Biodiesel	0	0	0	186	335	16	345	0	0
Renewable Diesel Fuel	—	0	0	—	0	—	0	—	—
Other Biofuels ²	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	58	0	0	437	137	131	0	2,006	377
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	58	0	0	437	137	131	0	2,006	377
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	58	0	0	437	137	131	0	2,006	377
Finished Aviation Gasoline	0	0	—	0	0	—	—	124	45
Kerosene-Type Jet Fuel	309	0	0	956	39	1,074	0	12,205	2,079
Kerosene	—	0	—	0	0	—	—	298	—
Distillate Fuel Oil	2,244	0	0	1,386	1,112	1,006	0	27,080	1,256
15 ppm sulfur and under	2,244	0	0	1,386	1,112	1,006	0	26,692	1,168
Greater than 15 ppm to 500 ppm sulfur	0	0	—	—	0	—	—	—	88
Greater than 500 ppm sulfur	—	0	—	0	0	—	—	388	—
Residual Fuel Oil	0	0	—	—	880	—	—	—	0
Petrochemical Feedstocks	0	0	—	—	94	—	—	—	9
Naphtha for Petrochemical Feedstock Use	0	0	—	—	94	—	—	—	9
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—	—	—	—
Special Naphthas	0	0	—	—	0	—	—	—	31
Lubricants	0	0	—	0	9	—	—	486	177
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	12	0	401	714	10	7	6	16
Asphalt and Road Oil	50	0	0	574	482	5	175	337	66
Miscellaneous Products	0	0	—	—	0	—	—	—	9
Total	16,995	79	0	22,276	95,483	19,223	7,682	105,530	44,196

See footnotes at end of table.

Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, January 2023
(Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to		
	4	5	1	2	3	5	1	3	4
Crude Oil	0	0	0	26,548	1,263	0	0	0	0
Petroleum Products	5	5,968	0	19,804	3,169	2,744	3	10	65
Natural Gas Liquids	0	200	0	18,675	2,961	597	0	0	0
Ethane	0	—	0	5,298	901	—	0	0	0
Propane	0	0	0	6,957	950	312	0	0	0
Normal Butane	0	104	0	2,873	425	240	0	0	0
Isobutane	0	96	0	1,112	209	45	0	0	0
Natural Gasoline	0	—	0	2,435	476	—	0	0	0
Refinery Olefins	—	—	0	0	0	—	0	0	—
Ethylene	—	—	—	—	—	—	—	—	—
Propylene	—	—	0	0	0	—	0	0	—
Normal Butylene	—	—	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—	—	—
Unfinished Oils	—	—	0	0	0	—	0	0	—
Motor Gasoline Blending Components	0	3,505	0	148	0	1,305	0	0	0
Reformulated - RBOB	—	1,876	0	0	0	0	0	0	—
Conventional	0	1,629	0	148	0	1,305	0	0	0
CBOB	0	1,629	0	148	0	1,305	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	—	—	0	0	0	—	0	0	—
Biofuels (including Fuel Ethanol)	0	1,193	0	0	0	72	0	0	0
Fuel Ethanol	0	503	0	0	0	72	0	0	0
Biodiesel	0	49	0	0	0	0	0	0	0
Renewable Diesel Fuel	—	640	—	—	0	0	—	0	—
Other Biofuels ²	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	0	0	0	371	0	59	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	0	0	0	371	0	59	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	0	0	0	371	0	59	0	0	0
Finished Aviation Gasoline	—	—	0	0	0	—	0	0	—
Kerosene-Type Jet Fuel	0	217	0	12	0	8	0	0	0
Kerosene	—	—	0	—	0	—	0	0	—
Distillate Fuel Oil	0	781	0	457	0	356	0	0	0
15 ppm sulfur and under	0	781	0	457	0	356	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	—	0	0	—	—	0	—
Greater than 500 ppm sulfur	—	—	0	—	0	—	0	0	—
Residual Fuel Oil	—	—	—	0	0	—	—	0	—
Petrochemical Feedstocks	—	—	—	0	0	—	—	0	—
Naphtha for Petrochemical Feedstock Use	—	—	—	0	0	—	—	0	—
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—	—	—	—
Special Naphthas	—	—	—	0	0	—	—	0	—
Lubricants	—	—	0	0	0	—	0	0	—
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	0	0	83	104	77	3	10	29
Asphalt and Road Oil	5	73	0	58	104	271	0	0	36
Miscellaneous Products	—	—	—	0	0	—	—	0	—
Total	5	5,968	0	46,352	4,432	2,744	3	10	65

— = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Data source: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, January 2023
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	139	30	184	51,477	5,631	123	23,899	0	-
Petroleum Products	16,220	0	8,359	34,087	13,010	81,186	18,715	0	4,503
Natural Gas Liquids	7,008	0	6,014	31,586	8,682	2,298	12,923	0	-
Ethane	5,377	0	441	14,144	2,018	0	1,111	0	-
Propane	975	0	4,138	8,735	3,456	2,298	1,905	0	-
Normal Butane	125	0	1,435	4,086	1,451	0	616	0	-
Isobutane	292	0	0	1,540	514	0	1,004	0	-
Natural Gasoline	239	0	0	3,081	1,243	0	8,287	0	-
Motor Gasoline Blending Components	6,601	0	357	1,432	2,117	45,631	2,627	0	3,505
Reformulated - RBOB	0	0	0	231	-	6,894	435	-	1,876
Conventional	6,601	0	357	1,201	2,117	38,737	2,192	0	1,629
CBOB	6,601	0	357	1,201	2,117	38,333	2,192	0	1,629
GTAB	-	-	-	-	-	-	-	-	-
Other	-	0	0	0	-	404	-	-	-
Biofuels (including Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Biodiesel	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel	-	-	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	58	0	347	0	131	1,514	328	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	58	0	347	0	131	1,514	328	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	58	0	347	0	131	1,514	328	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	309	0	937	39	1,074	8,627	1,755	0	217
Kerosene	0	0	0	0	-	298	-	-	-
Distillate Fuel Oil	2,244	0	704	1,030	1,006	22,818	1,082	0	781
15 ppm sulfur and under	2,244	0	704	1,030	1,006	22,640	994	0	781
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	-	-	88	-	-
Greater than 500 ppm sulfur	-	-	-	-	-	-	-	-	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	16,359	30	8,543	85,564	18,641	81,309	42,614	0	4,503

See footnotes at end of table.

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, January 2023
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	26,548	284	-	0	0
Petroleum Products	0	19,663	2,961	1,728	0	0
Natural Gas Liquids	0	18,675	2,961	-	0	0
Ethane	0	5,298	901	-	0	0
Propane	0	6,957	950	-	0	0
Normal Butane	0	2,873	425	-	0	0
Isobutane	0	1,112	209	-	0	0
Natural Gasoline	0	2,435	476	-	0	0
Motor Gasoline Blending Components	0	148	0	1,305	0	0
Reformulated - RBOB	0	0	0	0	0	-
Conventional	0	148	0	1,305	0	0
CBOB	0	148	0	1,305	0	0
GTAB	-	-	-	-	-	-
Other	0	-	0	-	0	-
Biofuels (including Fuel Ethanol)	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-
Biodiesel	--	--	--	--	--	--
Renewable Diesel Fuel	--	--	--	--	--	--
Other Biofuels ¹	--	--	--	--	--	--
Finished Motor Gasoline	0	371	0	59	0	0
Reformulated	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-
Conventional	0	371	0	59	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-
Conventional Other	0	371	0	59	0	0
Finished Aviation Gasoline	-	-	-	-	-	-
Kerosene-Type Jet Fuel	0	12	0	8	0	0
Kerosene	0	-	0	-	0	-
Distillate Fuel Oil	0	457	0	356	0	0
15 ppm sulfur and under	0	457	0	356	0	0
Greater than 15 ppm to 500 ppm sulfur	-	0	0	-	0	-
Greater than 500 ppm sulfur	--	--	--	--	--	--
Residual Fuel Oil	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-
Total	0	46,211	3,245	1,728	0	0

-- = Not Applicable.

- = No Data Reported.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Data source: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report."

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, January 2023
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
Crude Oil	190	0	-	189	40	-
Petroleum Products	57	0	0	2,374	3,406	0
Natural Gas Liquids	-	0	-	0	0	-
Ethane	-	-	-	-	-	-
Propane	-	0	-	0	0	-
Normal Butane	-	-	-	-	-	-
Isobutane	-	-	-	-	-	-
Natural Gasoline	-	-	-	-	-	-
Unfinished Oils	57	0	-	0	1,167	-
Motor Gasoline Blending Components	0	0	-	1,324	175	-
Reformulated - RBOB	-	-	-	-	-	-
Conventional	0	0	-	1,324	175	-
CBOB	0	0	-	1,324	72	-
GTAB	-	-	-	-	-	-
Other	0	0	-	0	103	-
Biofuels (including Fuel Ethanol)	0	0	0	259	661	0
Fuel Ethanol	0	0	-	259	621	-
Biodiesel	0	0	-	-	40	-
Renewable Diesel Fuel	-	0	0	-	0	0
Other Biofuels ¹	-	-	-	-	-	-
Finished Motor Gasoline	0	0	-	90	137	-
Reformulated	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-
Conventional	0	0	-	90	137	-
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-
Conventional Other	0	0	-	90	137	-
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	0	0	-	19	0	-
Kerosene	-	-	-	-	-	-
Distillate Fuel Oil	0	0	-	682	82	-
15 ppm sulfur and under	0	0	-	682	82	-
Greater than 15 ppm to 500 ppm sulfur	-	-	-	-	-	-
Greater than 500 ppm sulfur	-	0	-	0	0	-
Residual Fuel Oil	0	0	-	-	880	-
Less than 0.31 percent sulfur	0	0	-	-	49	-
0.31 to 1.00 percent sulfur	0	0	-	-	158	-
Greater than 1.00 percent sulfur	0	0	-	-	673	-
Petrochemical Feedstocks	0	0	-	-	94	-
Naphtha for Petrochemical Feedstock Use	0	0	-	-	94	-
Other Oils for Petrochemical Feedstock Use	-	-	-	-	-	-
Special Naphthas	0	0	-	-	0	-
Lubricants	0	0	-	0	9	-
Waxes	-	-	-	-	-	-
Marketable Petroleum Coke	-	-	-	-	-	-
Asphalt and Road Oil	0	0	-	0	201	-
Miscellaneous Products	0	0	-	-	0	-
Total	247	0	0	2,563	3,446	0

See footnotes at end of table.

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, January 2023
(Thousand Barrels) — Continued

Commodity	From 3 to						From 5 to		
	1	New England	Central Atlantic	Lower Atlantic	2	5	1	2	3
Crude Oil	2,224	—	2,224	—	0	—	0	0	0
Petroleum Products	21,602	—	660	20,942	989	640	0	0	0
Natural Gas Liquids	76	—	—	76	—	—	0	—	0
Ethane	—	—	—	—	—	—	—	—	—
Propane	76	—	—	76	—	—	0	—	0
Normal Butane	—	—	—	—	—	—	—	—	—
Isobutane	—	—	—	—	—	—	—	—	—
Natural Gasoline	—	—	—	—	—	—	—	—	—
Unfinished Oils	30	—	30	—	138	—	0	0	0
Motor Gasoline Blending Components	12,317	—	299	12,018	0	—	0	0	0
Reformulated - RBOB	—	—	—	—	—	—	—	—	—
Conventional	12,317	—	299	12,018	0	—	0	0	0
CBOB	11,950	—	—	11,950	0	—	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	367	—	299	68	0	—	0	0	0
Biofuels (including Fuel Ethanol)	0	—	—	—	0	640	0	0	0
Fuel Ethanol	0	—	—	—	0	—	0	0	0
Biodiesel	—	—	—	—	0	—	—	0	0
Renewable Diesel Fuel	—	—	—	—	—	640	—	—	0
Other Biofuels ¹	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	492	—	—	492	49	—	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	492	—	—	492	49	—	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	492	—	—	492	49	—	0	0	0
Finished Aviation Gasoline	124	—	80	44	45	—	0	0	0
Kerosene-Type Jet Fuel	3,578	—	—	3,578	324	—	0	0	0
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	4,262	—	—	4,262	174	—	0	0	0
15 ppm sulfur and under	4,052	—	—	4,052	174	—	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Greater than 500 ppm sulfur	210	—	—	210	—	—	0	—	0
Residual Fuel Oil	—	—	—	—	0	—	—	0	0
Less than 0.31 percent sulfur	—	—	—	—	0	—	—	0	0
0.31 to 1.00 percent sulfur	—	—	—	—	0	—	—	0	0
Greater than 1.00 percent sulfur	—	—	—	—	0	—	—	0	0
Petrochemical Feedstocks	—	—	—	—	9	—	—	0	0
Naphtha for Petrochemical Feedstock Use	—	—	—	—	9	—	—	0	0
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—	—	—	—
Special Naphthas	—	—	—	—	31	—	—	0	0
Lubricants	486	—	251	235	177	—	0	0	0
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	237	—	—	237	33	—	0	0	0
Miscellaneous Products	—	—	—	—	9	—	—	0	0
Total	23,826	—	2,884	20,942	989	640	0	0	0

— = No Data Reported.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Data source: Energy Information Administration (EIA) Form EIA-817, "Monthly Tanker and Barge Movements Report."

Table 60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts, January 2023
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil	0	0	0	0	1,217	0	0	3,045
Propane	120	9	0	0	820	236	0	310
Propylene	0	0	-	-	196	416	-	-
Normal Butane	114	1	0	0	210	29	0	682
Isobutane	105	27	0	0	49	17	0	52
Fuel Ethanol	0	0	0	0	7,517	4,485	552	3,066
Biodiesel	0	0	0	0	186	295	16	345
Marketable Petroleum Coke	0	12	0	0	401	714	10	7
Asphalt and Road Oil	50	0	0	0	574	281	5	175

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil	0	0	0	0	0	0	979	0
Propane	267	153	0	0	0	0	0	312
Propylene	0	0	-	-	0	0	0	-
Normal Butane	21	268	0	104	0	0	0	240
Isobutane	0	124	0	96	0	0	0	45
Fuel Ethanol	0	0	0	503	0	0	0	72
Biodiesel	0	0	0	49	0	0	0	0
Marketable Petroleum Coke	6	16	0	0	0	83	104	77
Asphalt and Road Oil	100	33	5	73	0	58	104	271

Commodity	From 5 to			
	1	2	3	4
Crude Oil	0	0	0	0
Propane	0	0	0	0
Propylene	0	0	0	-
Normal Butane	0	0	0	0
Isobutane	0	0	0	0
Fuel Ethanol	0	0	0	0
Biodiesel	0	0	0	0
Marketable Petroleum Coke	3	13	10	29
Asphalt and Road Oil	0	0	0	36

- = No Data Reported.

Data source: Rail Movements are estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 61. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, January 2023
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
From 1 to				
2	139	190	0	329
3	30	0	0	30
4	0	-	0	0
5	-	-	0	0
From 2 to				
1	184	189	1,217	1,590
3	51,477	40	0	51,517
4	5,631	-	0	5,631
5	-	-	3,045	3,045
From 3 to				
1	123	2,224	0	2,347
2	23,899	0	0	23,899
4	0	-	0	0
5	-	-	0	0
From 4 to				
1	0	0	0	0
2	26,548	0	0	26,548
3	284	0	979	1,263
5	-	-	0	0
From 5 to				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	-	0	0

- = No Data Reported.

Data source: Energy Information Administration (EIA) Forms EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail ¹ Between PAD Districts, January 2023
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	3,937	359	3,578	50,776	61,783	-11,007	52,810	26,246	26,564
Petroleum Products	123,872	16,715	107,156	56,780	82,881	-26,100	47,193	129,453	-82,260
Natural Gas Liquids	9,755	7,384	2,371	39,490	48,687	-9,197	34,866	16,330	18,536
Ethane	441	5,377	-4,936	11,786	16,603	-4,817	15,045	1,111	13,934
Propane	7,599	1,104	6,495	10,110	17,695	-7,585	9,930	4,699	5,231
Normal Butane	1,666	240	1,426	3,996	7,893	-3,897	4,541	1,009	3,532
Isobutane	49	424	-375	2,637	2,172	465	1,793	1,224	569
Natural Gasoline	0	239	-239	10,961	4,324	6,637	3,557	8,287	-4,730
Refinery Olefins	196	0	196	0	612	-612	416	0	416
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	196	0	196	0	612	-612	416	0	416
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	30	57	-27	195	1,167	-972	1,167	168	999
Motor Gasoline Blending Components	59,629	6,601	53,028	9,376	5,405	3,971	1,607	64,080	-62,473
Reformulated - RBOB	6,894	0	6,894	435	231	204	231	9,205	-8,974
Conventional	52,735	6,601	46,134	8,941	5,174	3,767	1,376	54,875	-53,499
CBOB	51,964	6,601	45,363	8,941	5,071	3,870	1,273	54,104	-52,831
GTAB	0	0	-	-	-	-	-	-	-
Other	771	0	771	0	103	-103	103	771	-668
Biofuels (including Fuel Ethanol)	7,962	0	7,962	0	17,381	-17,381	5,441	1,193	4,248
Fuel Ethanol	7,776	0	7,776	0	16,499	-16,499	5,106	503	4,602
Biodiesel	186	0	186	0	882	-882	335	49	286
Renewable Diesel Fuel	-	-	-	0	0	-	0	640	-640
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	2,443	58	2,385	806	705	101	137	2,383	-2,246
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	0	0	-	-	-	-	0	0	-
Conventional	2,443	58	2,385	806	705	101	137	2,383	-2,246
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-	0	0	-
Conventional Other	2,443	58	2,385	806	705	101	137	2,383	-2,246
Finished Aviation Gasoline	124	0	124	45	0	45	0	169	-169
Kerosene-Type Jet Fuel	13,161	309	12,852	2,400	2,069	331	39	14,501	-14,462
Kerosene	298	0	298	0	0	-	0	298	-298
Distillate Fuel Oil	28,466	2,244	26,222	3,957	3,504	453	1,112	29,117	-28,005
15 ppm sulfur and under	28,078	2,244	25,834	3,869	3,504	365	1,112	28,641	-27,529
Greater than 15 ppm to 500 ppm sulfur	0	0	-	88	0	88	0	88	-88
Greater than 500 ppm sulfur	388	0	388	0	0	-	0	388	-388
Residual Fuel Oil	0	0	-	0	880	-880	880	0	880
Petrochemical Feedstocks	0	0	-	9	94	-85	94	9	85
Naphtha for Petrochemical Feedstock Use	0	0	-	9	94	-85	94	9	85
Other Oils for Petrochemical Feedstock Use	0	0	-	0	0	-	0	0	-
Special Naphthas	0	0	-	31	0	31	0	31	-31
Lubricants	486	0	486	177	9	168	9	663	-654
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	411	12	398	112	1,131	-1,020	840	22	818
Asphalt and Road Oil	911	50	861	174	1,236	-1,062	585	480	105
Miscellaneous Products	0	0	-	9	0	9	0	9	-9
Total	127,809	17,074	110,735	107,556	144,664	-37,108	100,004	155,699	-55,696

See footnotes at end of table.

Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail ¹ Between PAD Districts, January 2023
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	5,631	27,811	-22,180	3,045	0	3,045
Petroleum Products	13,662	25,717	-12,055	13,350	91	13,259
Natural Gas Liquids	8,682	22,233	-13,551	1,841	0	1,841
Ethane	2,018	6,199	-4,181	0	0	-
Propane	3,456	8,219	-4,763	622	0	622
Normal Butane	1,451	3,538	-2,087	1,026	0	1,026
Isobutane	514	1,366	-852	193	0	193
Natural Gasoline	1,243	2,911	-1,668	0	0	-
Refinery Olefins	0	0	-	0	0	-
Ethylene	-	-	-	-	-	-
Propylene	0	0	-	0	0	-
Normal Butylene	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-
Unfinished Oils	0	0	-	0	0	-
Motor Gasoline Blending Components	2,117	1,453	664	4,810	0	4,810
Reformulated - RBOB	-	-	-	1,876	0	1,876
Conventional	2,117	1,453	664	2,934	0	2,934
CBOB	2,117	1,453	664	2,934	0	2,934
GTAB	-	-	-	-	-	-
Other	0	0	-	0	0	-
Biofuels (including Fuel Ethanol)	567	72	495	4,676	0	4,676
Fuel Ethanol	552	72	479	3,642	0	3,642
Biodiesel	16	0	16	394	0	394
Renewable Diesel Fuel	0	0	-	640	0	640
Other Biofuels ²	0	0	-	0	0	-
Finished Motor Gasoline	131	430	-299	59	0	59
Reformulated	-	-	-	0	0	-
Reformulated Blended with Fuel Ethanol	-	-	-	0	0	-
Reformulated Other	-	-	-	-	-	-
Conventional	131	430	-299	59	0	59
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-
Conventional Other	131	430	-299	59	0	59
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	1,074	20	1,054	225	0	225
Kerosene	0	0	-	0	0	-
Distillate Fuel Oil	1,006	813	193	1,137	0	1,137
15 ppm sulfur and under	1,006	813	193	1,137	0	1,137
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	0	-
Greater than 500 ppm sulfur	0	0	-	0	0	-
Residual Fuel Oil	0	0	-	0	0	-
Petrochemical Feedstocks	-	-	-	0	0	-
Naphtha for Petrochemical Feedstock Use	-	-	-	0	0	-
Other Oils for Petrochemical Feedstock Use	-	-	-	-	-	-
Special Naphthas	0	0	-	0	0	-
Lubricants	0	0	-	0	0	-
Waxes	-	-	-	0	0	-
Marketable Petroleum Coke	39	264	-225	83	55	28
Asphalt and Road Oil	46	433	-387	518	36	483
Miscellaneous Products	0	0	-	0	0	-
Total	19,293	53,529	-34,236	16,395	91	16,304

- = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Data source: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Appendix A

District Descriptions and Maps

The following are the Refining Districts which make up the Petroleum Administration for Defense (PAD) Districts.

PAD District I

East Coast: The District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

Appalachian No. 1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

Sub-PAD District I

New England: The States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Central Atlantic: The District of Columbia and the States of Delaware, Maryland, New Jersey, New York, and Pennsylvania.

Lower Atlantic: The States of Florida, Georgia, North Carolina, South Carolina, Virginia and West Virginia.

PAD District II

Indiana-Illinois-Kentucky: The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

Minnesota-Wisconsin-North and South Dakota: The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

Oklahoma-Kansas-Missouri: The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Gulf Coast District.

Texas Gulf Coast: The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louisiana Gulf Coast: The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

North Louisiana-Arkansas: The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

New Mexico: The State of New Mexico.

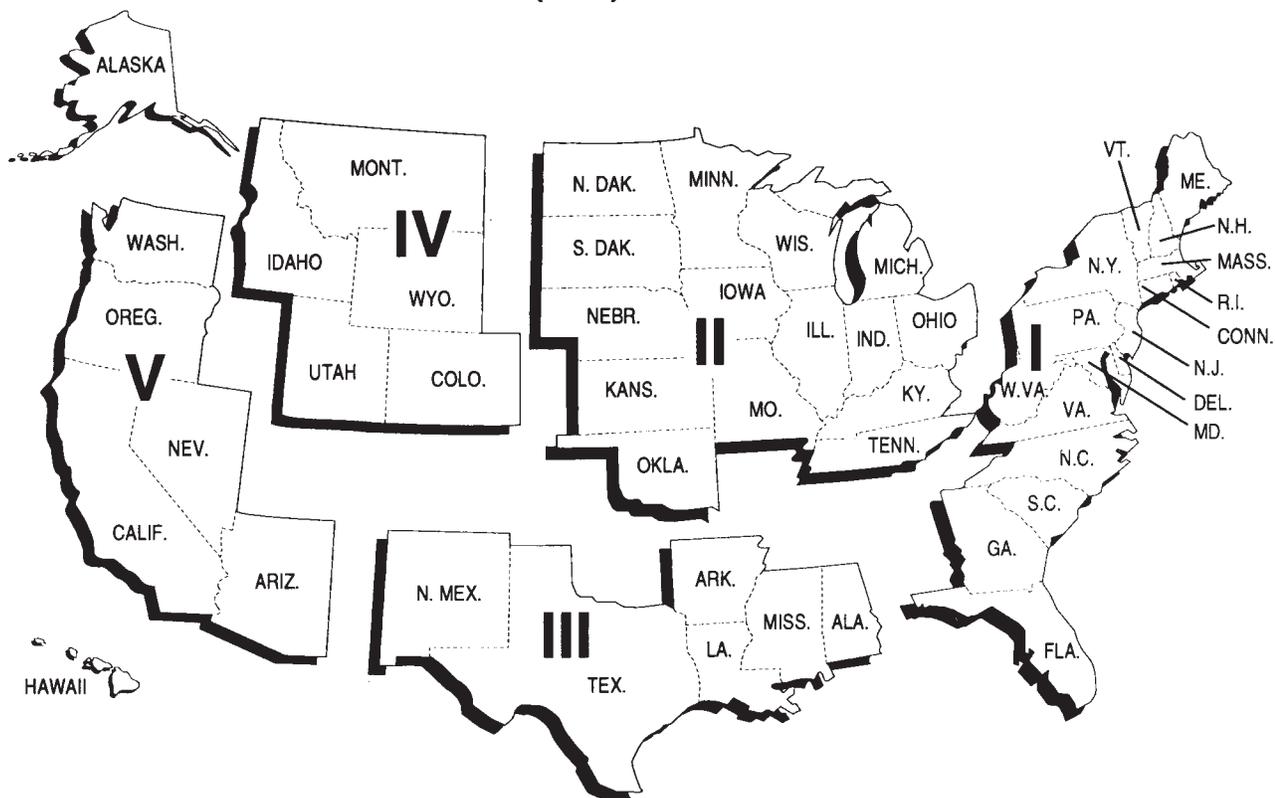
PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Utah, and Colorado.

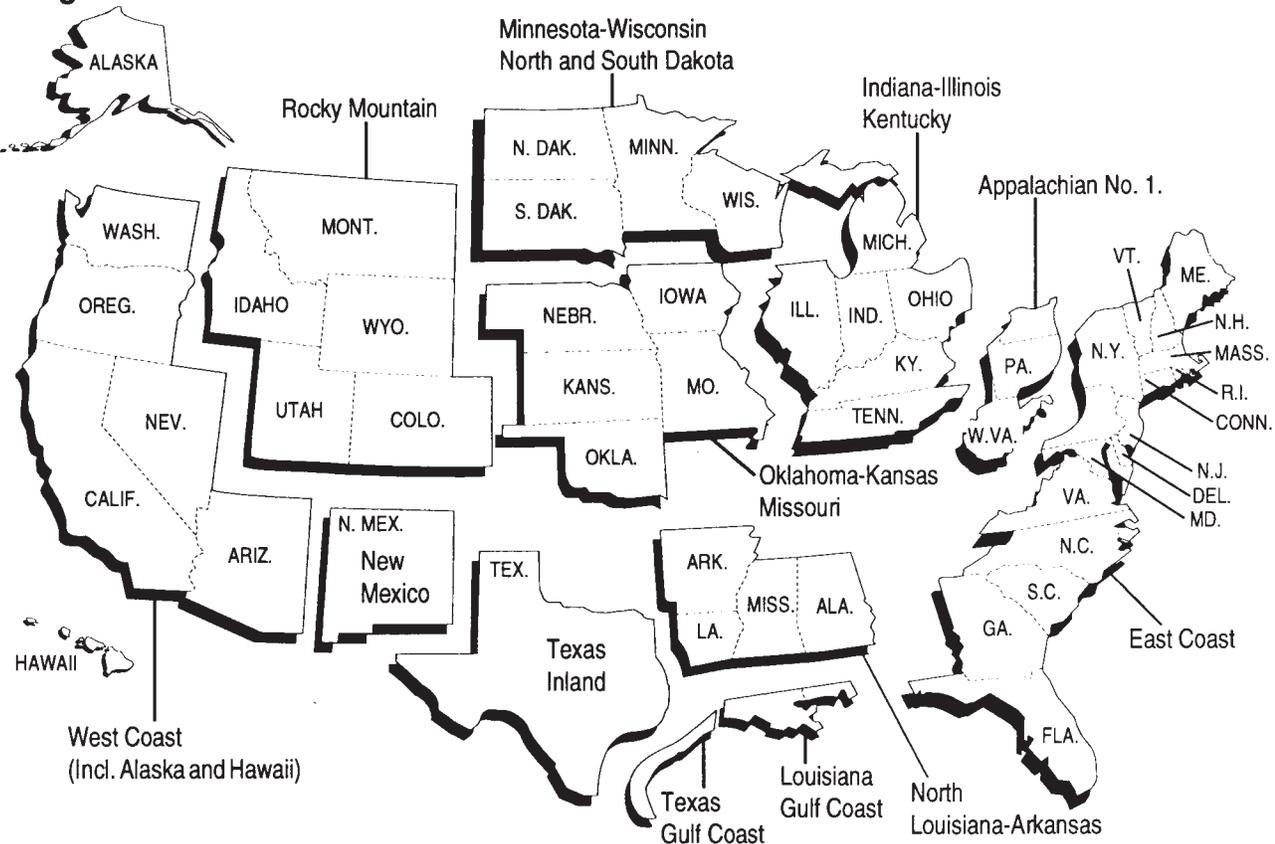
PAD District V

West Coast: The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

Petroleum Administration for Defense (PAD) Districts



Refining Districts



Appendix B. Explanatory Notes

Preface

The *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) are reports produced by the Monthly Petroleum Supply Reporting System (MPSRS) operated by the U.S. Energy Information Administration (EIA). The PSM and PSA track supply and disposition of crude oil, hydrocarbon gas liquids, petroleum products, and biofuels.

Data presented in the PSM and PSA describe supply and disposition of crude oil, hydrocarbon gas liquids, petroleum products, and biofuels in the United States, and major U.S. geographic regions with selected data available at the state level. Data describe production, imports, exports, inter-Petroleum Administration for Defense District (PADD) movements, and inventories in the United States (50 States and the District of Columbia). The reporting universe includes operators engaged in primary supply activities including refining, motor gasoline blending, natural gas processing and fractionation, inter-PADD transportation, importers, and major inventory holders. When aggregated, data reported by operators in these sectors are used to derive consumption of petroleum products in the United States.

Monthly and year-to-date data are normally released in the PSM on the last business day of each month. Monthly data are available approximately 60 days after the end of each reference month. Revised monthly data and annual totals and averages are released in the PSA usually at the end of August each year.

Overview

A. The Energy Information Administration's Quality Guidelines

Data contained in the *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) are subject to information quality guidelines issued by the Office of Management and Budget (OMB), the Department of Energy (DOE), and Energy Information Administration (EIA). With available resources, EIA continually works to improve its systems in order to provide high quality information needed by public and private policymakers and decision makers. EIA has performance standards to ensure the quality (i.e., objectivity, utility, and integrity) of information it disseminates to the public. Quality is ensured and maximized at levels appropriate to the nature and timeliness of the disseminated information.

B. Concepts of Product Supply and Demand

Petroleum supply estimates contained in the PSM and PSA are used for calculation of petroleum demand measured as product supplied. Product supplied is often called “implied” demand because it is a measure of demand that is implied by disappearance of petroleum product barrels from facilities and activities in the “primary” supply chain. Facilities and activities in the primary supply chain include refineries, bulk storage and blending terminals, natural gas processing plants and fractionators, biofuels and oxygenate production plants, imports, exports, and transportation by pipelines, tankers, barges, and railroads. Total product supplied at the U.S. level is equal to the sum of field production (including production of crude oil and natural gas liquids from natural gas processing plants), refinery and blender net production, biofuels plant net production, imports, and adjustments, minus the sum of stock change, refinery and blender net inputs, and exports. Net receipts are added to supply when product supplied is calculated for Petroleum Administration for Defense Districts (PADD). Crude oil product supplied is zero after September 1997 because crude oil is processed in refineries to produce fuels and other products rather than being used directly as fuel. Data include crude oil used directly as fuel between January 1981 and September 1997.

The secondary supply chain falls between primary supply and end-users. Product barrels typically flow in bulk quantities from primary supply into secondary supply before delivery to consumers. Fuels and other products held by consumers are considered to be in tertiary supply. Secondary supply facilities and activities include storage at bulk plants and retail outlets. Bulk plants are wholesale storage facilities that have less than 50,000 barrels of storage capacity and, as defined by EIA, receive product only by rail or truck, but not by barge, tanker, or pipeline. Tertiary inventories are held by end users and include fuel in vehicle tanks, heating oil in residential tanks, fuel oil held by utilities, fuel and nonfuel products held by end users, and certain proprietary storage of raw materials such as propane held at chemical plants for use as ethylene feedstock. EIA includes tertiary stocks of natural gas liquids (ethane, propane, normal butane, isobutane, and natural gasoline) held by storage operators with at least 50,000 barrels of storage capacity and capability to ship barrels by pipeline, tanker, or barge in primary stocks.

There is a delay between the time when barrels are reported as demand measured as product supplied and when the same barrels are actually consumed. The delay is due to the time required for barrels to move from primary supply through secondary and tertiary supply chains and ultimately to end users where the barrels are actually consumed as fuel, feedstock, or for other purposes. Users of demand measured as product supplied should expect product supplied to either anticipate or lag timing of actual petroleum consumption.

C. Components of Supply and Disposition

The detailed statistics tables in the *PSM* provide complete supply and disposition information for the current month and year to date. The tables are organized to locate national and PADD supply and disposition data at the front followed by tables that contain detailed information on supply and disposition. These include tables on crude oil and petroleum product production, import/export data, stocks information, and lastly, data on crude oil and petroleum product movements. EIA provides the following discussion to assist with interpretation of supply and disposition tables 1-25. The [EIA glossary](#) contains definitions of products and other terms used on tables.

(1.) Supply

a. Field Production - Total Field Production is the sum of crude oil production and natural gas liquids production (NGL) from natural gas processing plants.

Sources of crude oil production data include state government agencies, Department of the Interior, Bureau of Safety and Environmental Enforcement (and predecessor agencies), first purchase data reported on Form EIA-182, "Domestic Crude Oil First Purchase Report", and Form EIA-914 "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report. Refer to "Domestic Crude Oil Production" in Section 2C(1) for further details.

Field production of NGL is reported on Form EIA-816 and published on a net basis (i.e., production minus inputs).

b. Biofuels Plant Net Production – biofuels production included fuel ethanol beginning with data for January 2009, biodiesel beginning with data for January 2011, and biofuels (diesel, heating oil, jet, naphtha, gasoline, and other biofuels and biointermediates) beginning with data for January 2021. EIA included production of fuel oxygenates (ethyl tertiary butyl ether (ETBE), methyl tertiary butyl ether (MTBE), and other fuel oxygenates) as a component of the petroleum balance from January 2009 until December 2018. This supply category also includes net production of non-bio fuel products, including petroleum-derived gasoline, distillate fuel oil, jet fuel, and kerosene and natural gas liquids, blended with biofuels as denaturants or for other purposes at biofuel producing plants. Negative production indicates the amount of a product produced during the month was less than the amount of that same product reported as input during the same month.

c. Refinery and Blender Net Production – Refinery and Blender Net Production is reported on Forms EIA-810 and EIA-815. Refinery and Blender Net Production equals refinery and blenders production minus refinery and blender inputs. Negative production of finished petroleum products will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month.

d. Imports - Imports include receipts of goods into the 50 States and the District of Columbia from U.S. possessions and territories from foreign countries.

e. Net Receipts – Net Receipts data are included in tables containing PAD District-level data to account for inter-PAD District movements of crude oil and petroleum products. Net receipts for a PAD District are calculated by subtracting shipments out of the PAD District from receipts into the PAD District. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge, and Rail between PAD Districts are shown in Table 62.

f. Adjustments – This column includes adjustment quantities for crude oil, fuel ethanol, motor gasoline blending components, hydrogen, and "other" hydrocarbons. EIA calculates adjustment quantities to balance supply and disposition or to reclassify one product to another product. EIA calculates product supplied as the balancing item for most products and a measure of implied demand for petroleum products. EIA uses adjustments as balance items in cases where it does not make sense to interpret the balancing item as demand. Reclassifications reported in the adjustments column may be implied by the supply and disposition balance or reported on surveys. Recall that supply at the U.S. level is equal to the sum of field production, biofuels plant net production, refinery and blender net production, imports, and adjustments. Disposition at the U.S. level is equal to the sum of stock change, refinery and blender net inputs, exports, and products supplied. At the PAD District level, supply components include net receipts equal to gross receipts from other PAD Districts minus gross shipments to other PAD Districts. In every case, supply must equal disposition. Applicable components of supply and disposition vary depending on the product or product group. Adjustment calculations that balance supply and disposition equal disposition minus supply for the U.S. and for each PAD District. EIA discontinued reporting adjustment quantities for non-fuel ethanol biofuels and distillate fuel oil beginning with data for January 2021. Beginning with data for January 2021, EIA uses product supplied as the balance quantity for biofuels excluding fuel ethanol.

- a. **Stock Change** – Stock Change is calculated as the difference between the current month Ending Stocks column and the Ending Stocks column in the prior month’s publication. A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
- b. **Refinery and Blender Net Inputs** – Refinery and Blender Net Inputs are inputs of crude oil and intermediate materials (unfinished oils, motor and aviation gasoline blending components, hydrocarbon gas liquids, hydrogen, biofuels, and other hydrocarbons) processed at refineries or blended at terminals to produce finished petroleum products.

Crude oil input represents total crude oil (domestic and foreign) input to atmospheric crude oil distillation units and other refinery processing units (e.g. vacuum distillation units).

Refinery and blender input of natural gas liquids equal gross input of natural gas liquids received from natural gas plants for blending and processing.

Inputs of unfinished oils, motor gasoline blending components, and aviation gasoline blending components are published on a net basis (i.e., refinery and blender input minus refinery and blender production). Negative inputs of unfinished oils and motor and aviation gasoline blending components will occur when the amount of a product produced during the month is greater than the amount of that same product that is input or reclassified to become another product during the same month.

- c. **Exports** - Exports include shipments from the 50 States and the District of Columbia to Puerto Rico, the Virgin Islands, other U.S. possessions and territories and to foreign countries.

- d. **Products Supplied** - Products supplied is a calculated measure of demand equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, (plus net receipts when calculated by PADD), plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Product supplied values indicate quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of the product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PADD basis, the figure for net receipts was inaccurate because the coverage of inter-PADD movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production not having been reported (e.g. unfinished oils received at refineries for processing from petrochemical plants).

EIA reported crude oil burned as fuel on leases and by pipelines as either distillate or residual fuel oil product supplied prior to January 1983. EIA reported crude oil product supplied equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report” from January 1983 through December 2009. EIA discontinued reporting crude oil used directly on Form EIA-813 after December 2009.

(3.) Ending Stocks

Ending stocks are primary stocks of crude oil and petroleum products held in storage as of midnight on the last day of each month. Primary stocks include crude oil, hydrocarbon gas liquids, biofuels, and petroleum products held in storage at refineries, natural gas processing plants, pipelines, tank farms, biofuel production plants, and bulk terminals. Ending stocks also include stocks in transit by rail, truck, and water reported at destination facilities. EIA primary stocks include NGL (ethane, propane, normal butane, isobutane, and natural gasoline) held by end-user storage operators (i.e. tertiary storage) with at least 50,000 barrels of storage capacity and capability to ship barrels by pipeline, tanker.

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage. Primary stocks of petroleum products also exclude secondary stocks held by dealers and jobbers and tertiary stocks (except stocks of NGL held by end users with storage capacity of at least 50,000 barrels and capability to ship NGL by pipeline, tanker, or barge) held by consumers. EIA excludes product stocks held as reserves by federal and state agencies are excluded from primary stock quantities reported in the PSM and PSA, but EIA provides stock quantities held in selected government reserves in Appendix D.

Primary stocks of crude oil included barrels held on crude oil producing sites (lease stocks) until June 2016. Primary stocks of crude oil excluded lease stocks beginning with release of PSM data for July 2016 on September 30, 2016. Historical crude oil stocks in on eia.gov were revised beginning with data for January 2005 to exclude lease stocks. Data may be accessed from the following locations on the EIA web site.

http://www.eia.gov/dnav/pet/pet_sum_snd_d_nus_mdbl_m_cur.htm

http://www.eia.gov/dnav/pet/pet_sum_crdsnd_k_m.htm

http://www.eia.gov/dnav/pet/pet_stoc_typ_c_nus_EPC0_mdbl_m.htm

2. Components - Forms Discussions

The data presented in the *PSM* include data collected by the EIA on nine monthly petroleum supply surveys, export data obtained from the U. S. Bureau of the Census, and crude production data collected on Form EIA-914 as well as production data from State conservation agencies and the Minerals Management Service of the U. S. Department of Interior.

A. Petroleum Supply Reporting System

The nine monthly petroleum supply surveys are part of the Petroleum Supply Reporting System (PSRS). The PSRS tracks the supply and disposition of crude oil, petroleum products, and hydrocarbon gas liquids in the United States. The PSRS is organized into two data collection subsystems: the Weekly Petroleum Supply Reporting System (WPSRS) and the Monthly Petroleum Supply Reporting System (MPSRS). The WPSRS processes the data from the six weekly surveys. The MPSRS includes eight monthly surveys and one annual survey. The survey forms that comprise the PSRS are:

1. EIA-800, "Weekly Refinery and Fractionator Report,"
2. EIA-802, "Weekly Product Pipeline Report,"
3. EIA-803, "Weekly Crude Oil Stocks Report,"
4. EIA-804, "Weekly Imports Report,"
5. EIA-805, "Weekly Bulk Terminal Report,"
6. EIA-809, "Weekly Oxygenate Report,"
7. EIA-22M, "Monthly Biodiesel Production Survey," (discontinued effective with data for October 2020)
8. EIA-810, "Monthly Refinery Report,"
9. EIA-812, "Monthly Product Pipeline Report,"
10. EIA-813, "Monthly Crude Oil Report,"
11. EIA-814, "Monthly Imports Report,"
12. EIA-815, "Monthly Bulk Terminal Report."
13. EIA-816, "Monthly Natural Gas Liquids Report"
14. EIA-817, "Monthly Tanker and Barge Movement Report"
15. EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene" (formerly "Monthly Oxygenate Report")
16. EIA-820, "Annual Refinery Report."

EIA administers weekly and monthly surveys at six key points along the petroleum and biofuel supply chain including refineries, fractionators, natural gas processing plants, bulk products storage and blending terminals, crude oil and product pipelines, crude oil stock holders, importers, and plants producing biofuels and fuel oxygenates. EIA also collects inter-PADD movements by pipelines, tankers, and barges using monthly surveys. Weekly surveys do not capture petroleum movements. EIA selects a sample of operators reporting on monthly surveys to also report

on weekly surveys.

Annual U.S. refinery capacity data are collected on the Form EIA-820, “Annual Refinery Report.” The EIA-820 data are published in the annual “Refinery Capacity Report.”

B. Monthly Supply Survey Description and Methodology

(1.) Description of Surveys Forms

Copies of the survey forms and instructions can be found at:

<https://www.eia.gov/survey/>

Form EIA-22M “Monthly Biodiesel Production Survey” collected data on biodiesel plant location, operating status, annual production capacity, monthly biodiesel and co-product production, stocks, input of feedstocks, alcohol, and catalysts, and biodiesel sales until data for September 2020. EIA discontinued Form EIA-22M effective with data for October 2020, and incorporated data previously collected on Form EIA-22M into Form EIA-819 “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene.

Form EIA-810, “Monthly Refinery Report,” collects data on refinery input and capacity, sulfur content and API gravity of crude oil, and data on supply (beginning stocks, receipts, and production) and disposition (inputs, shipments, fuel use and losses, and ending stocks) of crude oil and refined products. Working and shell storage capacity for selected products is collected on an annual basis.

Form EIA-812, “Monthly Product Pipeline Report,” collects data on end-of-month stocks and movements of petroleum products transported by pipeline. Intermediate movements for pipeline systems operating in more than two PADD Districts are included.

Form EIA-813, “Monthly Crude Oil Report,” collects data on end-of-month stock levels of crude oil held in pipelines, and at tank farms operated by the reporting company, and Alaskan crude oil in transit by water. Data are reported by PADD including stocks held in the 50 states and the District of Columbia. In addition to stocks, EIA uses Form EIA-813 to collect inter-PADD movements of crude oil by pipeline. EIA collects movements for shipping and receiving PADDs with no intermediate PADD movements. EIA uses Form EIA-813 to collect annual storage capacity in data for the month of March.

Form EIA-814, “Monthly Imports Report,” collects data on imports of crude oil and petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands, and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), and (3) from Puerto Rico, the Virgin Islands, and other U.S. possessions into the 50 States and the District of Columbia. Imports into Foreign Trade Zones located in the 50 States and the District of Columbia are considered imports into the 50 States and the District of Columbia. The type of commodity, port of entry, country of origin, quantity (thousand barrels), sulfur percent by weight, API gravity, and name and location of the processing or storage facility are reported. Sulfur percent by weight is requested for crude oil, crude oil burned as fuel, and residual fuel oil only. API gravity is requested for crude oil only. The name and location of the processing or storage facility is requested for crude oil and unfinished oils only.

Form EIA-815, “Monthly Bulk Terminal Report,” collects data on the operations of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and fuel use and losses during the month are collected from operators of terminals. Working and shell storage capacity is collected on an annual basis.

Form EIA-816, “Monthly Natural Gas Liquids Report,” collects data on the operations of natural gas processing plants and fractionators. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and plant fuel use and losses during the month are collected from operators of natural gas processing plants. End-of-month stocks are collected from fractionators.

Form EIA-817, “Monthly Tanker and Barge Movement Report,” collects data on the movements of crude oil and petroleum products between PAD Districts. Data are reported by shipping and receiving PAD District and sub-PAD District. Shipments to and from the Panama Canal are also included if the shipment was delivered to the Canal.

Form EIA-819, “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane and Isooctene” collects facility-level data on oxygenate inputs, production, gasoline blending at ethanol plants, and end-of-month stocks. Beginning in October 2020 it also collects facility-level data on biodiesel and biofuels production and blending and end-of-month stocks. Plant operators report end-of-month stocks on site on a custody basis regardless of ownership as well as stocks in transit by rail, truck, and water to their plants.

(2.) Frame

EIA maintains complete lists of respondents to its monthly surveys. Each survey has a list of companies and facilities required to submit petroleum activity data. This list is known as the survey frame. Frame maintenance procedures are used to monitor the status of petroleum companies and facilities currently contained in each survey frame as well as to identify new members to be added to the frame. As a result, all known petroleum supply organizations falling within the definition of “Who Must Submit” participate in the survey.

The activities for frames maintenance are conducted on an ongoing basis. Monthly frames maintenance procedures focus on examining industry periodicals that report changes in status (births, deaths, sales, mergers, and acquisitions) of petroleum facilities producing, transporting, importing, and/or storing crude oil and petroleum products. Augmenting these sources are articles in newspapers, notices from respondents, and information received from survey systems operated by other offices. Survey managers review these sources regularly to monitor changes in company operations and to develop lists of potential respondents. These activities assure coverage of the reporting universe and maintain accurate facility information on addresses and ownership.

Respondents to Form EIA-22M “Monthly Biodiesel Production Survey” included operators of plants that produce biodiesel meeting ASTM D 6751-07B specifications and used for commercial purposes. EIA discontinued using Form EIA-22M in October 2020 and replaced it with data collected on Form EIA-819 “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene”.

Respondents to Form EIA-810, “Monthly Refinery Report” include operators of all operating and idle petroleum refineries located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam and other U.S. possessions.

Respondents to Form EIA-812, “Monthly Product Pipeline Report” include all product pipeline companies that carry petroleum products (including interstate, intrastate, and intra-company pipelines) in the 50 States and the District of Columbia.

Respondents to Form EIA-813, “Monthly Crude Oil Report” include all companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intra-company pipelines), crude oil tank farm operators, and companies transporting Alaskan crude oil by water (to U.S. ports) in the 50 States and the District of Columbia.

Respondents to Form EIA-814, “Monthly Imports Report” include each importer of record (or Ultimate consignee in some situations regarding Canadian imports) that import crude oil or petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), (3) into Foreign Trade Zones located in the 50 States and the District of Columbia and (4) from Puerto Rico, the Virgin Islands and other U.S. possessions into the 50 States and the District of Columbia. A report is required only if there has been an import during the month unless the importer has been selected as part of a sample to report every month regardless of activity.

Respondents to Form EIA-815, “Monthly Bulk Terminal Report” include operators of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions must report. A bulk terminal is primarily used for storage, marketing, and often blending of petroleum products and

has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included. March 2023

Respondents to Form EIA-816, “Monthly Natural Gas Liquids Report” include operators of all facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator).

Respondents to Form EIA-817, “Monthly Tanker and Barge Movement Report” include all companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense Districts and all companies that have custody of crude oil or petroleum products originating from a PAD District and transported to the Panama Canal with the intent that the crude oil or petroleum products be further transported to another PAD District.

For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company-owned tanker or barge. Also, companies that lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts are considered to have custody.

Respondents to Form EIA-819, “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene” include all operators of facilities that produce (manufacture or distill) fuel alcohol, biodiesel, renewable diesel, heating oil, jet fuel, naphtha, gasoline and other biofuels and biointermediates, isooctane, isooctene and fuel oxygenates other than fuel alcohol (including MTBE plants, petrochemical plants, and refineries that produce oxygenates as part of their operations) located in the 50 States and the District of Columbia.

(3.) Collection

Survey data for the MPSRS are collected by Internet using secure file transfer, and electronic transmission. All respondents must submit their data by the 20th calendar day following the end of the report month. Receipt of the reports is monitored using an automated respondent mailing list. Telephone follow-up calls are made to nonrespondents prior to the publication deadline. Respondents who are chronically late (i.e., 3 consecutive months) are notified by EIA by certified letter.

(4.) Processing and Micro Editing

Upon receipt, all reported data are transformed into a standard format and sent through a log-in and prescreening process to validate respondent control information and resolve any discrepancies. The data are then processed using generalized edit and imputation procedures. Automated editing procedures check current data for consistency with past data and for internal consistency (e.g., totals equal to the sums of the parts). After the edit failures are resolved and imputation performed for nonrespondents, preliminary tables are produced and used to identify anomalies. These tables show U.S. and PAD District estimates for the current month and the prior 4 years. Anomalies result in further review of respondent data which in turn may result in additional flagged data and imputation.

(5.) Estimation and Imputation

The nine monthly supply surveys are census surveys. As such, the estimates using these data are the sum of the edited, reported data. Where possible, EIA uses imputed values to account for activity when a company fails to file. Depending on the survey, imputed values may be estimates based on weekly reports, estimates equal to prior-month reported quantities, or estimates based on non-survey data (e.g. imports quantities may be imputed using data provided to EIA by U.S. Customs and Border Protection). Imputation normally accounts for very small quantities in published totals because response rates to monthly surveys tend to be very high, typically exceeding 98 percent calculated as total reports received divided by total reports expected.

Adjustments are made to aggregate data from time to time. For example, unusual industry conditions, including fuel transitions, business practice shifts, or hurricane dislocations, may generate reporting anomalies and require adjustments. Measurement error and frame deficiencies may occasionally result in inconsistencies when individual respondent data are aggregated to publication levels and require adjustment. Monthly supply data are reviewed throughout the year and some estimates may be replaced with newly available or resubmitted respondent data in

the Petroleum Supply Annual (PSA).

(6.) Macro Editing

EIA compares data reported by individual companies and plants on monthly and weekly surveys. EIA uses these comparisons to identify cases where reporting companies responded differently to the same or similar questions on weekly and monthly surveys and then works with reporting companies to identify and address inconsistent or erroneous reporting on surveys. EIA also compares aggregate and other data with external sources in order to identify and correct potential errors in reporting or survey methodology. EIA makes additional comparisons of survey data with model results. EIA may use imputation to correct known and/or suspected errors in data reported in the Petroleum Supply Monthly and Petroleum Supply Annual.

(7.) Dissemination

In most cases, EIA releases *PSM* data within 60 days of the close of the reference month. The *PSM* is available on the web at:

<http://www.eia.gov/petroleum/supply/monthly/>

Much of the *PSM* data are available in HTML format on [eia.gov](http://www.eia.gov). Features include: downloadable spreadsheets containing complete data history, data tables which “pivot” to present different perspectives, and selection boxes to easily change the product, area, process, period, and unit of measure. Petroleum data can be accessed at:

<http://www.eia.gov/petroleum/data.cfm>

C. Derived Data

Due to the time constraints in publishing monthly petroleum supply statistics and the desire to reduce industry response burden, some of the statistics published in the *PSM* are obtained from sources other than the monthly supply surveys. These other sources include models to data and data from supplemental sources such as the Bureau of the Census.

(1.) Domestic Crude Oil Production

The interim estimate of U.S., PADD District, and state oil production for the current reference month, published in Tables 1 through 26 of the *PSM*, are based on:

(a.) crude oil production data from state government agencies and the Department of the Interior, Bureau of Safety and Environmental Enforcement;

(b.) crude oil production data reported on Form EIA-914, “Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report.” For some states, EIA uses current reported data from the state (chiefly Alaska). For the states of Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and the Federal Gulf of Mexico, EIA calculates an estimate by modeling the relationship between final state-level data from DrillingInfo, a third-party vendor of well-level data collected by state agencies, and data reported on the EIA-914 survey using weighted least squares (WLS) linear regression. Additional explanation of the WLS estimation methodology is available. Estimates have to be made for crude oil production because complete and correct data from states may take from several months to over two years.

(c.) first purchase data reported on Form EIA-182 “Domestic Crude Oil First Purchase Report.” For the remaining states and areas (Alabama, Arizona, Federal Pacific Offshore, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) EIA calculates an estimate by using the average lagged ratio (ALR) of the state reported data to EIA-182 data, applied to the current EIA-182 data. Additional explanation of the ALR estimation methodology is available.

State-level production estimates are published in Table 26, “Production of Crude Oil by PADD District and State.” Table 26 contains estimates for crude oil production for state and federal offshore areas reported by state agencies and the Bureau of Safety and Environmental Enforcement or estimated by EIA using the ALR or WLS methods discussed above. Every month, the monthly crude oil production estimates are updated in Table 26 of the Petroleum Supply Monthly (<http://www.eia.gov/petroleum/supply/monthly/>) using reports from state agencies and the Bureau of Safety and Environmental Enforcement. The estimates are reported in the Petroleum Supply Monthly roughly 60 days after the production month.

(2.) Exports

The U.S. Bureau of the Census compiles the official U.S. export statistics. Exporters are required to file a “Shipper’s Export Declaration Document” with the U.S. Census Bureau. Each month the EIA receives aggregated export statistics from the U.S. Bureau of the Census (EM-522 and EM-594). Census export statistics used in the PSM reflect both government and non-governmental exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

- Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
- Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

(3.) Movements of crude oil and select products by railroad

The volume of crude oil, ethanol, biodiesel, renewable diesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt moving by railroad is calculated using several data sources including Carload Waybill Sample (CWS) data from the U.S. Surface Transportation Board (STB), data from the National Energy Board of Canada (NEB), data in EIA’s Oil and Gas Supply Module (OGSM) within the National Energy Modeling system (NEMS) for data prior to 2015, the EIA-914 survey starting in January 2015, and an estimation procedure developed by EIA for months in which these data are not available.

Additional data from the NEB, OGSM, and the EIA-914 are used for estimating factors for converting carloads to barrels of crude oil. Carloads of ethanol, biodiesel, renewable diesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt are converted to barrels using data from the CWS.

The most current monthly STB waybill sample may not be received with sufficient lead time to be processed and included in the PSM publication. Further, STB aggregates and provides waybills based on the accounting period, while EIA is interested in the waybill date, which can differ by several months from the accounting period. In addition, waybills from non-Class I railroads might only be included in the sample for the last month of a calendar quarter. As a result, EIA may estimate anywhere from one to three months of rail movements, relying on historical averages or near-month model estimates for those months to be published in the PSM for which incomplete or no STB data are available.

Estimates of rail movements are subject to revision on a monthly basis as new, more complete, and more accurate data become available. Monthly revisions will typically affect data available on the EIA web site for the current year and up to two prior years. To the extent that revisions are needed to data more than 2 years in the past, these revisions will be made once a year at the time when Petroleum data html tables are updated with final data for a year.

(4.) Stocks of Crude Oil held on Producing Sites (Lease Stocks)

The adjustment for lease stocks was discontinued beginning with PSM data for July 2016 released on September 30, 2016 because EIA discontinued reporting crude oil stocks held on producing sites (lease stocks). The lease stock adjustment remains in all historical EIA lease stocks data.

This adjustment corrects for incomplete survey coverage of companies that store crude oil on leases. Up until 1983, monthly state government data on lease stocks were substituted for EIA data wherever possible in order to rectify the understatement of lease crude oil stocks. State data were available from three states - Texas, New Mexico, and Montana. To calculate the “lease adjustment,” a comparison between EIA reported data and the state government data was made and the difference added to the EIA data for the respective states.

In 1983, the EIA modified the Form EIA-813 to eliminate state data on crude oil stocks and began collecting crude oil stock data by Petroleum Administration for Defense (PAD) District. With this change, the “lease adjustment” could no longer be calculated on a state basis and was changed to a PAD District level. To adjust for this incomplete coverage, 10,300 thousand barrels of crude oil are added to PAD District 3 stocks and 330 thousand barrels are added to PAD District 4 stocks.

(5.) Trans-Alaska Pipeline System (TAPS) Natural Gas Liquids (NGL) Adjustment

The TAPS-NGPL adjustment corrects for overstatement of crude oil receipts and input at refineries due to NGL injection into Alaskan crude oil transported in TAPS. Natural gas processing plants in Alaska produce substantial volumes of NGPL that are added to crude oil transported through TAPS. Refiners have been unable to separate the volume of NGPL from Alaskan crude oil when reporting crude oil receipts and inputs to EIA. The TAPS-NGL adjustment subtracts Alaskan NGPL production reported by selected gas processing plant operators from crude oil receipts and inputs reported by refiners. Adjusted NGL production is added to refinery receipts and inputs of NGPL. The adjusted NGL barrels are allocated to PAD Districts based on the regional distribution of receipts of Alaskan crude oil. Data most affected by the TAPS-NGL adjustment are receipts and inputs of crude oil in PAD District 5 and receipts, inputs, and product supplied of butane and natural gasoline also in PAD District 5.

NGPL injections into crude oil transported in the TAPS started in 1987. The TAPS-NGL adjustment was first applied to revised data reported in the Petroleum Supply Annual (PSA) for 1988.

(6.) Finished Motor Gasoline Adjustment

Adjustment quantities for finished motor gasoline are the sum of motor gasoline blending components, fuel ethanol, and methyl tertiary butyl ether (MTBE) adjustments reclassified to finished motor gasoline. Finished motor gasoline adjustment quantities are assumed to reflect gasoline blending activity that was not reported on surveys.

Note on MTBE Adjustment: The MTBE portion of the gasoline adjustment described in this section was only applied to Petroleum Supply Monthly (PSM) data for 2009. The MTBE portion of the gasoline adjustment was discontinued after further examination of the issue made clear the MTBE adjustment was not helpful in forming an accurate statistical representation of U.S. and regional gasoline supplies. The MTBE adjustment was not applied to gasoline supply and disposition data in years prior to 2009, nor was it applied to revised data for 2009 published in the Petroleum Supply Annual or in years after 2009. This note only applies to MTBE adjustments. MTBE blending that was reported on EIA surveys is reflected in U.S. and regional gasoline supply and disposition data. Other adjustments to gasoline supply and disposition data to account for motor gasoline blending components and fuel ethanol remain as described in this section.

- Adjustment quantities for finished reformulated motor gasoline include adjustments for reformulated blendstock for oxygenate blending (RBOB) plus a percentage of gasoline treated as blendstock (GTAB), “other” motor gasoline blending components, fuel ethanol, and MTBE. The quantity of

GTAB and “other” motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline is based on the ratio of finished reformulated motor gasoline net production divided by total finished motor gasoline net production reported on surveys by refiners and blenders in each PADD. Motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline are further classified as blended with alcohol (i.e. fuel ethanol), blended with ether (i.e. MTBE), or non-oxygenated during 2009.

Starting with data for January 2010, motor gasoline blending component adjustment quantities were classified only as blended with fuel ethanol and “other”. During 2009, RBOB adjustment quantities were classified based on the product description that included reference to the oxygenate to be blended. Beginning with data for January 2010, all RBOB is reported in one product category without reference to specific oxygenates, and all RBOB adjustment quantities are assumed blended with fuel ethanol. During 2009, adjustment quantities for GTAB and “other” motor gasoline blending components reclassified to finished reformulated gasoline were further classified as blended with ether, blended with alcohol, or non-oxygenated based on the ratio of production of these products in reported survey data. After determining adjustment quantities of motor gasoline blending components reclassified to each type of finished reformulated motor gasoline, portions of the fuel ethanol and MTBE adjustments were reclassified to reformulated motor gasoline. The fuel ethanol quantity reclassified to finished reformulated motor gasoline was determined using the ratio of fuel ethanol blended into finished motor gasoline calculated from fuel ethanol blending data reported on survey forms by PADD. For example, if the calculated volumetric fuel ethanol blend ratio was 10%, then a quantity of the fuel ethanol adjustment sufficient to make a 10% blend with the available motor gasoline blending components is reclassified to finished reformulated motor gasoline, but the quantity of fuel ethanol cannot exceed the total quantity of the fuel ethanol adjustment. During 2009, a similar process was followed for allocating the MTBE adjustment to reformulated motor gasoline except the blend ratio was assumed to be 12% in all PADD. Starting with data for January 2010, the entire MTBE adjustment quantity is assumed to be blended with finished conventional motor gasoline.

- Adjustment quantities for finished conventional motor gasoline include adjustments for conventional blendstock for oxygenate blending (CBOB) plus the portion of GTAB, “other” motor gasoline blending components, fuel ethanol and MTBE adjustments that were not reclassified to finished reformulated motor gasoline. The total adjustment to finished conventional motor gasoline is further classified as finished conventional gasoline blended with fuel ethanol and “other” finished conventional motor gasoline. The quantity of the finished conventional motor gasoline adjustment reclassified as finished conventional motor gasoline blended with fuel ethanol is determined using the quantity of the fuel ethanol adjustment allocated to finished conventional motor gasoline and the fuel ethanol blend ratio calculated from fuel ethanol blending reported on surveys by PADD. For example, if the fuel ethanol blend ratio calculated from survey data was 10% in a PADD, then the total adjustment quantity of finished conventional motor gasoline in that PADD would be 10 times the fuel ethanol adjustment quantity allocated to finished conventional gasoline (i.e. the adjustment to finished conventional motor gasoline blended with fuel ethanol includes 10% fuel ethanol and 90% gasoline from the motor gasoline blending components adjustment). The MTBE adjustment allocated to finished conventional motor gasoline is simply added to the adjustment for “other” finished conventional motor gasoline.
- Fuel ethanol adjustment quantities frequently exceed the volume of fuel ethanol needed to achieve a blend ratio implied by blending activity reported by refiners and blenders on surveys when considering only the gasoline barrels available from the motor gasoline blending components adjustment. In this case, “other” finished conventional motor gasoline is reclassified by the adjustment to finished conventional motor gasoline blended with alcohol in order to maintain an ethanol blend ratio equal to the fuel ethanol blend ratio reported by refiners and blenders in each PADD.

(7.) Motor Gasoline Blending Components Adjustment

Adjustment quantities for motor gasoline blending components at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports and biofuels plant net production (i.e. motor gasoline blending components use as denaturant for fuel ethanol production). Adjustment quantities by PADD equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, biofuels plant net production, and net receipts. Motor gasoline blending components adjustments are calculated for

reformulated blendstock for oxygenate blending (RBOB), conventional blendstock for oxygenate blending (CBOB), gasoline treated as blendstock (GTAB), and “other” motor gasoline blending components. Product supplied for motor gasoline blending components is assumed to always equal zero because there is no end-user demand for motor gasoline blending components as anything other than finished motor gasoline. Motor gasoline blending components adjustment quantities are assumed to reflect finished motor gasoline blending implied by the supply and disposition balance but not reported on surveys. Adjustment quantities for motor gasoline blending components are reclassified to finished motor gasoline and added to the finished motor gasoline adjustment.

(8.) Biofuels including Fuel Ethanol Adjustment

For data prior to January 2021, adjustment quantities for biofuels (including fuel ethanol) at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of biofuels plant net production and imports. Calculation of adjustment quantities by PADD depend on the product. Individual products include fuel ethanol, biodiesel, renewable diesel fuel, and other biofuels (e.g. bio-jet fuel). Product supplied for biofuels (including fuel ethanol) is assumed equal to zero. Adjustments for fuel ethanol and “other” biofuels are discussed separately below. Beginning with data for January 2021, EIA discontinued calculating adjustment quantities for biodiesel, renewable diesel fuel, and other biofuels (e.g. bio-jet fuel). EIA now includes these adjustment quantities as product supplied.

- Fuel ethanol adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of biofuels plant net production and imports. Adjustment quantities by PADD equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, biofuels plant net production, and net receipts. Fuel ethanol adjustment quantities are assumed to reflect blending of fuel ethanol into finished motor gasoline that is implied by the available supply of fuel ethanol but not reported on surveys. Fuel ethanol adjustment volumes are reclassified to finished reformulated motor gasoline and finished conventional motor gasoline through finished motor gasoline adjustments.
- The product category called “biofuels (excluding fuel ethanol)” includes biodiesel, renewable diesel fuel, and other biofuels (e.g. bio-jet fuel). For PSM data prior to January 2012, EIA calculated adjustment quantities for biofuels (excluding fuel ethanol) at the U.S. and PADD levels equal to the sum of stock change, refinery and blender net input, and exports minus imports. Data for production of Biofuels (excluding Fuel Ethanol) was unavailable and was excluded from Biofuels Plant Net Production. Therefore the calculation of adjustments to Biofuels (excluding Fuel Ethanol) caused production to be included in the adjustment. Similarly, the calculation caused net inter-PADD movements (i.e. net receipts) by rail and truck to also be included in adjustments to biofuels (excluding fuel ethanol).

Beginning with PSM data for January 2012, and PSA data for 2011 through December, 2020 production of biodiesel reported on Form EIA-22M was included under the heading of “biofuels plant net production” in petroleum supply and disposition balances for “biofuels (excluding fuel ethanol)”. As a result, the adjustment for “biofuels (excluding fuel ethanol)” excludes production of biodiesel beginning with data for January 2012. Beginning with data for January 2010 EIA included rail movements of biodiesel in inter-PADD movements, and so rail movements were excluded from adjustment quantities.

- For data prior to January 2021, biodiesel adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of biofuels plant net production and imports. Adjustment quantities by PADD equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, biofuels plant net production, and net receipts. Biodiesel adjustment quantities are assumed to reflect blending of biodiesel into distillate fuel oil that is implied by the available supply of biodiesel but not reported as input on surveys. Biodiesel adjustment volumes are reclassified to distillate fuel oil (15 ppm sulfur and under) through distillate fuel oil adjustments. EIA discontinued calculating biodiesel and distillate fuel oil adjustment quantities beginning with data for January 2021. EIA now includes barrels of biodiesel formerly reported in adjustment quantities as product supplied of biofuels (excluding fuel ethanol).

Beginning with PSM data for January 2021, EIA included production of renewable diesel, heating oil, jet

fuel, naphtha, gasoline, and other biofuels and biointermediates reported on Form EIA-819 under the heading of “biofuels plant net production” in petroleum supply and disposition balances for “biofuels (excluding fuel ethanol)”. EIA now reports barrels formerly included in adjustment quantities as product supplied.

(9.) Distillate Fuel Oil Adjustment

Adjustment quantities for distillate fuel oil show reclassification by pipeline operators of distillate fuel oil with sulfur content of 15 ppm and under to distillate fuel oil with sulfur content greater than 15 ppm to 500 ppm (inclusive). Reclassification may occur when distillate product with sulfur content of 15 ppm and under becomes mixed with products having higher sulfur content during pipeline transportation, storage, or handling. Adjustment quantities are reported by pipeline operators on Form EIA-812 “Monthly Product Pipeline Report.” This adjustment was discontinued after publication of data for December 2010.

For PSM data from January 2012 and PSA data from January 2011 through December 2020, EIA calculated distillate fuel oil adjustments equal to the opposite of biodiesel adjustment quantities described above in section 8. EIA added biodiesel adjustment quantities to supply of distillate fuel oil (15 ppm sulfur and under) and total distillate fuel oil. EIA assumed that distillate fuel oil adjustment quantities reflected biodiesel blending activity implied by biodiesel supply and disposition but not reported on surveys. Beginning with data for January 2021, EIA discontinued calculating and reporting distillate fuel oil adjustment quantities.

(10.) Crude Oil Adjustment

Adjustment quantities for crude oil are derived to balance crude oil supply and disposition. Crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report” in data through December 2009. Reporting crude oil used directly was discontinued on Form EIA-813 after collection of data for December 2009. Crude oil product supplied is assumed equal to zero beginning with data for January 2010. Undercounting crude oil imports in survey data is one example of a typical cause of crude oil adjustments. This results in a positive crude oil adjustment because crude oil disposition (i.e. the sum of stock change, refiner inputs, and exports) will exceed available supply (i.e. the sum of field production and imports) due to import undercounting. Crude oil losses are included in crude oil adjustment quantities. The crude oil adjustment was formerly called unaccounted-for crude oil. The name change was effective with data for January 2005.

(11.) Other Hydrocarbon Adjustment

Adjustment quantities for “other” hydrocarbons equal the sum of stock change, refinery and blender net inputs and exports minus imports. “Other” hydrocarbons product supplied is assumed equal to zero. Adjustment quantities account for “other” hydrocarbons produced outside of refineries. There are no movements data collected on surveys for “other” hydrocarbons. Therefore, adjustment quantities include any net receipts of “other” hydrocarbons resulting from inter-PAD District movements.

(12.) Hydrogen Adjustment

Adjustment quantities for hydrogen equal refinery and blender net input of hydrogen. Hydrogen product supplied is assumed equal to zero. Adjustment quantities account for hydrogen supplied to U.S. refineries from non-refinery sources. There are no movements data collected on surveys for hydrogen. Therefore, adjustment quantities at the PAD District level include any net receipts of hydrogen resulting from inter-PAD District movements.

(13.) Oxygenates (excluding fuel ethanol) Adjustment

Adjustment quantities for oxygenates (excluding fuel ethanol) equal the sum of stock change, refinery and blender net inputs, and exports minus the sum of biofuels plant net production and imports. Product supplied for oxygenates (excluding fuel ethanol) is assumed equal to zero. Methyl tertiary butyl ether (MTBE) is the single largest component of oxygenates (excluding fuel ethanol). Beginning with PSA data for 2019, EIA excluded oxygenates supply and disposition from U.S. and regional balance tables.

3. Quality

A. General Discussion

(1.) Response Rates

The response rate is generally 98 to 100 percent. Average response rates for the monthly and weekly surveys are published in the annual PSM article “Accuracy of Petroleum Supply Data.” Chronic nonrespondents and late filing respondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the Federal Energy Administration (FEA) Act.

(2.) Non-sampling Errors

There are two types of errors usually associated with data produced from a survey; sampling errors and nonsampling errors. Because the estimates for the monthly surveys are based on a complete census of the frame, there is no sampling error in the data presented. The data, however, are subject to non-sampling errors. Non-sampling errors may arise from a number of sources including: (1) the inability to obtain data from all companies in the frame (non-response) and the method used to account for non-response, (2) response errors, (3) differences in the interpretation of questions or definitions, (4) mistakes in recording or coding of the data obtained from respondents, and (5) other errors of collection, response, coverage, processing, and estimation.

(3.) Resubmissions

Throughout the year, EIA accepts data revisions of monthly data. If a revision to a monthly submission is made after the PSM has been published, it is referred to as a resubmission. The final monthly values for the previous year are published in the PSA. These values reflect all PSM resubmissions and other data corrections. The values contained in the PSA are EIA’s most accurate measure of petroleum supply activity.

(4.) Revision Policy

EIA will publish revised monthly crude oil production estimates going back to the previously published Petroleum Supply Annual every month in petroleum data tables (<http://www.eia.gov/petroleum/supply/monthly/>). Once a year with the release of the Petroleum Supply Annual, EIA will revise up to 10 years of historical production estimates in petroleum data tables.

B. Data Assessment

The principal objective of the PSRS is to provide an accurate picture of petroleum industry activities and of the availability of petroleum products nationwide from primary distribution channels. The PSM preliminary monthly data serve as leading indicators of the final monthly data published in the PSA. The PSM monthly data are not expected to have the same level of accuracy as the final monthly data published in the PSA. However, the preliminary monthly data are expected to exhibit like trends and product flow characteristic of the final monthly data.

To assess the accuracy of monthly statistics, initial monthly estimates published in the PSM are compared with the final monthly aggregates published in the PSA. Although final monthly data are still subject to error, they have been thoroughly reviewed and edited, they reflect all revisions made during the year, and they are considered to be the most accurate data available. The mean absolute percent error provides a measure of the average revisions relative to the aggregates being measured for a variable. The mean absolute percent error for 2007 monthly data was less than 1 percent for 50 of the 66 major petroleum variables analyzed.

4. Provisions Regarding Disclosure of Information

All PSRS survey forms, with the exception of the Form EIA-814, “Monthly Imports Report,” have the same general

disclosure information statement. The information reported on Form EIA-814 will be considered “public information” and may be publicly released in company or individually identifiable form, and will not be protected from disclosure in identifiable form. In addition, biofuel production capacity data reported on Form EIA-819 and Form EIA-22M will be released in company identifiable form. Refinery distillation capacity collected on Form EIA-810 also may be released in company identifiable form. EIA releases annual refinery input and production capacities in company identifiable form each year in the Annual Refinery Capacity Report.

Except as described above, information reported on Forms EIA-810 through 813, 815 through 817, 819, 820, and 22M will be protected and not disclosed to the public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. § 552, the Department of Energy (DOE) regulations, 10 C.F.R. § 1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. § 1905. The Federal Energy Administration Act requires the EIA to provide company-specific data to other Federal agencies when requested for official use. The information reported on this form may also be made available, upon request, to another DOE component; to any Committee of Congress, the Government Accountability Office, or other Federal agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order. The information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Disclosure limitation procedures are not applied to the statistical data aggregated and published from these survey's information. Thus, there may be some statistics that are based on data from fewer than three respondents, or that are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable person to estimate the information reported by a specific respondent.

In addition to the use of the information by EIA for statistical purposes, the information may be made available, upon request, to other Federal agencies authorized by law to receive such information for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Company specific data are also provided to other DOE offices for the purpose of examining specific petroleum operations in the context of emergency response planning and actual emergencies.

Appendix D

Northeast Reserves

Reserves inventories are not considered to be in the commercial sector and are excluded from EIA's commercial motor gasoline and distillate fuel oil supply and disposition statistics, such as those reported in the Weekly Petroleum Status Report, Petroleum Supply Monthly, Petroleum Supply Annual and This Week In Petroleum.

Information on the Northeast Reserves is available from the U.S. Department of Energy Office of Petroleum Reserves web site at <http://energy.gov/fe/services/petroleum-reserves>.

The Northeast Home Heating Oil Reserve is a one million barrel supply of ultra low sulfur distillate (diesel/heating oil) for homes and businesses in the northeastern United States, a region heavily dependent upon the use of heating oil.

The Northeast Gasoline Supply Reserve is a one million barrel supply of seasonally adjusted, regionally appropriate supply of gasoline for consumers in the northeastern United States.

	Northeast Home Heating Oil Reserve				Northeast Gasoline Supply Reserve		
	Distillate Fuel Oil, 15 ppm Sulfur and Under				Motor Gasoline Products		
	(Thousand Barrels)				(Thousand Barrels)		
	Connecticut	New Jersey	Maine	Massachusetts	New Jersey	Maine	Massachusetts
Jan-23	300	300	200	201	900	99	
Feb-23							
Mar-23							
Apr-23							
May-23							
Jun-23							
Jul-23							
Aug-23							
Sep-23							
Oct-23							
Nov-23							
Dec-23							

Source: U.S. Energy Information Administration

Other reserves information from the U.S. Department of Energy, Office of Petroleum Reserves can be found at <http://energy.gov/fe/services/petroleum-reserves/>

New York State Strategic Fuel Reserve (Thousand Barrels)

State reserve inventories are also not considered to be in the commercial sector and are excluded from EIA's commercial inventories and are excluded from supply and disposition statistics, such as those reported in the Weekly Petroleum Status Report, Petroleum Supply Monthly, Petroleum Supply Annual and This Week In Petroleum.

	Motor Gasoline Blending Components	Fuel Ethanol	Distillate Fuel Oil, 15 ppm Sulfur and Under	NY Total
Jan-23	83	9	34	126
Feb-23				
Mar-23				
Apr-23				
May-23				
Jun-23				
Jul-23				
Aug-23				
Sep-23				
Oct-23				
Nov-23				
Dec-23				

Source: New York State Energy Research & Development Authority